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A scale of absolute hardness based on the conjoint action of other properties	Sabu S.S., Simplica S.J.A., Tandon H., Chakraborty T.	268976	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117255828&doi=10.1080%2f00268976.2021.1992521&partnerID=40&md5=d51bf7ecb3d355147832e1b5eadbe833
Investigating the Bulk Level Optoelectronic Characteristics of 10-(1,3-Dithiol-2-Ylidene)Anthracene Based Light Harvesters	Irfan A., Imran M., Thomas R., Mumtaz M.W., Shah A.T., Qayyum M.A., Hussien M., Ullah S., Assiri M.A., Al-Sehemi A.G.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117215685&doi=10.1080%2f10406638.2021.1988995&partnerID=40&md5=818b7e57b2f243969635f74c6be301d0



<p>Synthesis, Spectral Characterization, Electronic Structure and Biological Activity Screening of the Schiff Base 4-((4-Hydroxy-3-Methoxy-5-Nitrobenzylidene)Amino)-N-(Pyrimidin-2-yl)Benzene Sulfonamide from 5-Nitrovaniline and Sulphadiazene</p>	<p>Elangovan N., Thomas R., Sowrirajan S., Manoj K.P., Irfan A.</p>	<p>10406638</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116893696&doi=10.1080%2f10406638.2021.1991392&partnerID=40&md5=365d50a14bd7e143a6532a9acc958a4c</p>
<p>Green Light Emitting Cadmium Sulfide Nanoparticles with Coral Surface Morphology</p>	<p>Thomas B., Jose E.T., Chacko J.K., Divya K.V.</p>	<p>10407278</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115308050&doi=10.1007%2fs10876-021-02171-9&partnerID=40&md5=bd2a6e88de98be153201a88daa284e74</p>
<p>Exploring the charge injection aptitude in pyrazol and oxazole derivatives by the first-principles approach</p>	<p>Irfan A., Imran M., Thomas R., Basra M.A.R., Ullah S., Al-Sehemi A.G., Assiri M.A.</p>	<p>9429352</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113331093&doi=10.1515%2fzpch-2020-1705&partnerID=40&md5=f296aacd99d30236bbf65b34202c80a6</p>
<p>Feeding ecology of the vulnerable sloth bear (Melursus ursinus) in and around Mount Abu wildlife sanctuary, Rajasthan, India</p>	<p>Philip R., Bhatnagar C., Koli V.K.</p>	<p>207233</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108823269&doi=10.1080%2f00207233.2021.1941668&partnerID=40&md5=7997298dacc48b70437bd9f7748378d0</p>



Detailed Structural Examination, Quantum Mechanical Studies of the Aromatic Compound Solarimfetol and Formation of Inclusion Compound with Cucurbituril	Pooventhiran T., Cheriet M., Bhattacharyya U., Irfan A., Puchta R., Sowrirajan S., Thomas R.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107817281&doi=10.1080%2f10406638.2021.1937238&partnerID=40&md5=287e25fcb0ae2e625bf4614937d531da
Balabhyasanavum Bhashayude Arividangalum	Dr. Joseph Skariah	ISSN 0975-220X	https://www.manoramaonline.com/search-results.html?q=%C2%A0Balabhyasanavum%20Bhashayude%20Arividangalum&page=1
Kuttanadan Nattarivukalum Edanadan Pattukalum	Dr. Joseph Skariah	ISSN 2349-1051	https://www.manoramaonline.com/search-results.html?q=%C2%A0Malayalathile%20Kavyabhasha&page=1
Malayalathile Kavyabhasha	Dr. Bins M Mathew	ISSN 2581-9585	https://mrjc.in/index.php/chengazhi/about
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Malayalathile Kalpanika Poorva Ghattathinte Akam Porul	Dr. Bins M Mathew	NA	https://sahitya-akademi.gov.in/
Experimental study on the similarity of gas discharge in low-pressure Argon gaps	Prijil Mathew , Sajith T. Mathews , Paul Issac , P. J. Kurian	ISSN 1852-4249	https://www.papersinphysics.org/papersinphysics/article/view/716
Band gap opening and surface morphology of monolayer graphene induced by single ion impacts of argon monomer and dimer ions	Jagnaseni Pradhan, Sachin Kumar Srivastava, Magudapathy Palanivelu, Saravanan Kothalamuthu, Sundaravel Balakrishnan, Soumya Sarkar, Sinu Mathew, Thirumalai Venkatesan	ISSN 0008-6223	https://www.sciencedirect.com/science/article/abs/pii/S000862232100823X



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Synthesis and catalytic applications of silver nanoparticles: a sustainable chemical approach using indigenous reducing and capping agents from Hyptis capitata	R. Revathy, Jebin Joseph, Cyril Augustine, T. Sajini and Beena Mathew	ISSN: 2066-7620	https://www.rsc.org/journals-books-databases/about-journals/environmental-science-advances/
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Advanced green approaches for metal and metal oxide nanoparticles synthesis and their environmental applications	Gopika M Nair, Sajini T* and Beena Mathew	ISSN 2666-8319.	https://www.sciencedirect.com/science/article/pii/S2666831921000503



Investigations on the Structural and Optical Properties of electrospun ZnO – poly (styrene – co-methyl methacrylate) Nanofiber Composites	Vinitha Varkey, Tomlal Jose E	2574089X, 25740881	https://www.tandfonline.com/doi/abs/10.1080/25740881.2021.1971717
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Dependable polysulfone based anion exchange membranes incorporating triazatriangulenium cations	Jince Thomas, Bejoy Francis, Sabu Thomas, Alex Schechter, Flavio Grynszpan	ISSN 0167-2738	https://www.sciencedirect.com/science/article/abs/pii/S0167273821001843
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Surface Plasmon Resonance-Enhanced Bathochromic-Shifted Photoluminescent Properties of Pure and Structurally Modified Electrospun Poly(methyl methacrylate) (PMMA) Nanofibers Incorporated with Green-Synthesized Silver Nanoparticles	Philip P., Jose T., Prakash J., Cherian S.K.	3615235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107452910&doi=10.1007%2fs11664-021-09003-6&partnerID=40&md5=a73bcc6a4afe9f696538f8e2d321c632
Study on the physico-chemical properties, magnetic phase resolution and cytotoxicity behavior of chitosan-coated cobalt ferrite nanocubes	Anila I., Mathew M.J.	1694332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104362374&doi=10.1016%2fj.apsusc.2021.149791&partnerID=40&md5=f02c8e23056d13b6c8fc14abd1397f8
Quasi liquid Schiff bases from trans-2-hexenal and cytosine and l-leucine with potential antieczematic and antiarthritic activities: Synthesis, structure and quantum mechanical studies	Surendar P., Pooventhiran T., Rajam S., Bhattacharyya U., Bakht M.A., Thomas R.	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107815446&doi=10.1016%2fj.molliq.2021.116448&partnerID=40&md5=ca1cc2489c9cdf15391a86ead17014df
Determination of ferrimagnetic and superparamagnetic components of magnetization and the effect of particle size on structural, magnetic and hyperfine properties of Mg _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles	John S.P., Mathew M J.	9258388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103333408&doi=10.1016%2fj.jallcom.2021.159242&partnerID=40&md5=b86bf55f764f1c4002dbfe3d8fb7e343



Electrochemical characterization of orthorhombic tungsten trioxide hydrate for battery applications	Manuja M., Thomas T., John S., Jose J., Jose G.	9258388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101790522&doi=10.1016%2fj.jallcom.2021.159234&partnerID=40&md5=6d48c2639dce21a5dcaae6a99fbcd4aa
Circular economy in biocomposite development: State-of-the-art, challenges and emerging trends	Shanmugam V., Mensah R.A., Försth M., Sas G., Restás Á., Addy C., Xu Q., Jiang L., Neisiany R.E., Singha S., George G., Jose E T., Berto F., Hedenqvist M.S., Das O., Ramakrishna S.	26666820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108059257&doi=10.1016%2fj.jcomc.2021.100138&partnerID=40&md5=e4f60257d7589360f8959b3d63d199f1
The effect of poly(vinylidene fluoride) binder on the electrochemical performance of graphitic electrodes	Rajeevan S., John S., George S.C.	2352152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106289532&doi=10.1016%2fj.est.2021.102654&partnerID=40&md5=229843ae42973dac8119b5a937863f9f
Copper loaded HPfCNT/TiO ₂ ternary nanohybrids as green and robust catalysts for dehydrogenation of cyclohexanol under visible light	Joseph H.M., Sugunan S.	13698001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102558817&doi=10.1016%2fj.mssp.2021.105784&partnerID=40&md5=be3b824d87484174675a55395854831d
Structurally modified electrospun poly(methyl methacrylate) nanofibers as advanced host matrices for PbS quantum dots	Philip P., Jose T., Vanchippurackal I.V.	218995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100145978&doi=10.1002%2fapp.50534&partnerID=40&md5=5fd16f0fb56f23abb77452718985ef32



Adsorption of the drug bempedoic acid over different 2D/3D nanosurfaces and enhancement of Raman activity enabling ultrasensitive detection: First principle analysis	Bhattacharyya U., Pooventhiran T., Thomas R.	13861425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102042203&doi=10.1016%2fj.saa.2021.119630&partnerID=40&md5=0f5eea6c7dccec7dda66785c0858104
Gas sensing characteristics of magnesium ferrite and its doped variants	George J., Abraham K.E.	9214526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102121749&doi=10.1016%2fj.physb.2021.412958&partnerID=40&md5=adbf9e0edc84c9c7235931cf7629a43d
Studies on the structural and optical properties of samarium β -diketonate complex incorporated electrospun poly(methylmethacrylate) nanofibres with different architectures	Philip P., Jose T., Jose A., Cherian S.K.	15227235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101511097&doi=10.1002%2fbio.4029&partnerID=40&md5=24246666cfa1a5ee0abc458a4b9d40e8
A facile approach for the preparation of polycarbonate nanofiber mat with filtration capability	Baby T., Jose T.E., Aravindkumar C.T., Thomas J.R.	1700839	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086720383&doi=10.1007%2fs00289-020-03266-5&partnerID=40&md5=6caec72f263860fcf7de514799bf8ef5
Enhancement in photostability of betalain dye from basella Alba fruits using zinc oxide nanoparticles	Muthulingam S., Greeshma K.P., Poornima K., Tamizselvi R., John S., Uthirakumar A.P.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123438776&doi=10.1016%2fj.matpr.2021.08.155&partnerID=40&md5=2da8dfcbf41d795aa64db5d8f8410917



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Corrosion Inhibition of N80 Steel by Newly Synthesized Imidazoline Based Ionic Liquid in 15% HCl Medium: Experimental and Theoretical Investigations	Guo L., Zhu M., Chang J., Thomas R., Zhang R., Wang P., Zheng X., Lin Y., Marzouki R.	14523981	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117914664&doi=10.20964%2f2021.11.15&partnerID=40&md5=96bda3f5bd05b4cb792944c434136279
Workload prediction in cloud environment during seasonal trend	Krishnan S., Prasanthi B.G.	9429352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117866097&partnerID=40&md5=e23311fd4b5eb722e74a5eeee292df61
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On the normalized (Distance) laplacian spectrum of linear dependence graph of a finite-dimensional vector space	Jameson J.M., Indulal G.	26642557	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104995442&doi=10.47443%2fdml.2020.0059&partnerID=40&md5=030f1c5bb28ba5a54db8b7a28b9b3f1b
Multilayer adsorption and kinetic studies of dyes on pure and structurally modified poly(Methyl methacrylate) electrospun nanofibers	Philip P., Jose T., Mathew J.T., Kuthanapillil J.M.	23991984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108588649&doi=10.1088%2f2399-1984%2fabf6b2&partnerID=40&md5=8fed8c3711bf5124f7c4493e86f5badd



Fabrication of photoluminescent electrospun poly(styrene-co-methyl methacrylate) nanofibers integrated with LaPO ₄ :Eu ³⁺ for optical applications	Varkey V., Chandran A.R., Tomlal Jose E., Paul I., Jose G.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114392877&doi=10.1016%2Fj.matpr.2021.04.585&partnerID=40&md5=d3e6712a887cd3957d58efdd0b3caacc
Structural, physico-chemical landscapes, ground state and excited state properties in different solvent atmosphere of Avapritinib and its ultrasensitive detection using SERS/GERS on self-assembly formation with graphene quantum dots	Alsalm A., Pooventhiran T., Al-Zaqri N., Rao D.J., Thomas R.	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094569625&doi=10.1016%2Fj.molliq.2020.114555&partnerID=40&md5=9f58ab8958d8d152fa959d8e8ef50015
Structure, conformational dynamics, quantum mechanical studies and potential biological activity analysis of multiple sclerosis medicine ozanimod	Al-Zaqri N., Pooventhiran T., Rao D.J., Alsalm A., Warad I., Thomas R.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097576500&doi=10.1016%2Fj.molstruc.2020.129685&partnerID=40&md5=abd8cdf447bacf646efe94f213742a91
Growth, spectral, optical, electrical and computational analysis of sodium oxalate single crystals	Ramalakshmi R., Stella Mary S., Shahil Kirupavathy S., Muthu S., Thomas R.	24058440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102899532&doi=10.1016%2Fj.heliyon.2021.e06527&partnerID=40&md5=c9d0cd1bf893f19dca3ec1e1307db071
Green synthesised silver nanoparticles incorporated electrospun poly(methyl methacrylate) nanofibers with different architectures for ophthalmologic alternatives	Philip P., Jose T., KS S., Kuriakose S.	8839115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102235134&doi=10.1177%2F0883911521997856&partnerID=40&md5=5717092deacafe47aff418425aed528c
Solitary waves in a cometary plasma with heavy dust ion pairs	Vineeth S., Prabhakar S., Sebastian S., Abraham N.P.	1070664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101878806&doi=10.1063%2F5.0035276&partnerID=40&md5=55c7b63a59d73ca9f2e90a7d6a31a673



Physiochemical responses in coconut leaves infected by spiraling whitefly and the associated sooty mold formation	Arun K., Janeeshma E., Job J., Puthur J.T.	1375881	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101012675&doi=10.1007%2f11738-021-03213-5&partnerID=40&md5=6d96052fd7728b1e19b37c311ea2642d
Giant dielectric constant, dielectric relaxations, and tunable properties of Sm ₂ /3Cu ₃ Ti ₄ O ₁₂ ceramics	Thomas A.K., George M., Abraham K., Sajan D.	1546542X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099495187&doi=10.1111%2fijac.13663&partnerID=40&md5=fb824c4165e26f9b9065c59948865aee
Structural investigations, quantum mechanical studies on proton and metal affinity and biological activity predictions of selpercatinib	Al-Zaqri N., Pooventhiran T., Alharthi F.A., Bhattacharyya U., Thomas R.	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097750706&doi=10.1016%2fj.molliq.2020.114765&partnerID=40&md5=b4acc0cfcaa6f4b2d5812f62dd9f504d
Structural aspects, conformational preference and other physico-chemical properties of Artesunate and the formation of self-assembly with graphene quantum dots: A first principle analysis and surface enhancement of Raman activity investigation	Pooventhiran T., Al-Zaqri N., Alsalme A., Bhattacharyya U., Thomas R.	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096856306&doi=10.1016%2fj.molliq.2020.114810&partnerID=40&md5=598fa358f48771c998154d93c7266e98
Excited-state electronic properties, structural studies, noncovalent interactions, and inhibition of the novel severe acute respiratory syndrome coronavirus 2 proteins in Ripretinib by first-principle simulations	Alharthi F.A., Al-Zaqri N., Alsalme A., Al-Taleb A., Pooventhiran T., Thomas R., Rao D.J.	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098201449&doi=10.1016%2fj.molliq.2020.115134&partnerID=40&md5=f72a38ac4139e0257889d6cd5e93962e
Highly enhanced dielectric permittivity in CoFe ₂ O ₄ by the Gd substitution in the octahedral sites	Anjana P., Raj R.S.A., Jose R., Kumari M., Sarun P.M., Sajan D., Joy L.K.	9258388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091642062&doi=10.1016%2fj.jallcom.2020.155758&partnerID=40&md5=4f84591a8c52cd341976cb2fe8b13057



Anthracene based photo-tunable polymers with excimer emission	Menon S., Krishnan A., Roy S.	10106030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094955811&doi=10.1016%2Fj.jphotochem.2020.112990&partnerID=40&md5=49dc3c2e7bac733c4c7980c57c71ddb8
An exploration of the optoelectronic nature of 4,4-difluoro-8-(C ₄ H ₃ X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	Irfan A., Imran M., Thomas R., Mumtaz M.W., Basra M.A.R., Ullah S., Assiri M.A., Al-Sehemi A.G.	15698025	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092597359&doi=10.1007%2F10825-020-01597-0&partnerID=40&md5=2f608540093af44c07e756d18ce36fac
Structurally modified poly(methyl methacrylate) electrospun nanofibers as better host matrix for noble metal nanoparticles	Philip P., Jose T., Parameswaran M., Thankaraj S.	218995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096791166&doi=10.1002%2Fapp.50210&partnerID=40&md5=95b296513a6bf44c89431612bd19f690
Physiochemical responses in coconut leaves infected by spiraling whitefly and the associated sooty mold formation	Joseph Job		http://dx.doi.org/10.1007/s11738-021-03213-5
Enhancement in carbon monoxide sensing performance by reduced graphene oxide/trimanganese tetraoxide system	John N., Abraham K.E.	9254005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089822353&doi=10.1016%2Fj.snb.2020.128749&partnerID=40&md5=eb6b5d474799f967de1006ea5b8e751c
A facile approach for the preparation of polycarbonate nanofiber mat with filtration capability	Tomlal Jose E	0170-0839 (print); 1436-2449 (web)	https://link.springer.com/article/10.1007/s00289-020-03266-5



<p>An exploration of the optoelectronic nature of 4,4-difluoro-8-(C₄H₃X)-4-bora-3a,4a-diazas-indacene (X = O, S, Se) (BODIPY) systems</p>	<p>A. Irfan, M. Imran, Renjith Thomas, M.W. Mumtaz, M.A.R. Basra, S. Ullah, M.A. Assiri, A.G. Al-Sehemi</p>	<p>1569-8025</p>	<p>https://doi.org/10.1007/s10825-020-01597-0</p>
<p>Modeling the conformational preference, spectroscopic properties, UV light harvesting efficiency, biological receptor inhibitory ability and other physico-chemical properties of five imidazole derivatives using quantum mechanical and molecular mechanicst</p>	<p>J.S. Al-Otaibi, A.H. Almuqrin, Y.S. Mary, Renjith Thomas</p>	<p>0167-7322</p>	<p>https://doi.org/https://doi.org/10.1016/j.molliq.2020.112871</p>
<p>Spectroscopic, quantum mechanical studies, ligand protein interactions and photovoltaic efficiency modeling of some bioactive benzothiazolinone acetamide analogs</p>	<p>Mary Y.S., Yalcin G., Mary Y.S., Resmi K.S., Thomas R., Önkol T., Kasap E.N., Yildiz I.</p>	<p>3666352</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077553508&doi=10.1007%2fs11696-019-01047-7&partnerID=40&md5=9d7b14b0a77ecf534de77b9bf321d18e</p>
<p>Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-chemical properties</p>	<p>K. Haruna, V.S. Kumar, S.J. Armaković, S. Armaković, Y.S. Mary, Renjith Thomas, S.A. Popoola, A.R. Almohammed, M.S. Roxy, A.A. Al-Saadi</p>	<p>1386-1425</p>	<p>https://doi.org/10.1016/j.saa.2019.117580</p>



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Spectroscopic and TDFT investigation of highly selective fluoride sensors by substituted acyl hydrazones	A.M. John, J. Jose, Renjith Thomas, K.J. Thomas, S.P. Balakrishnan	1386-1425	https://www.sciencedirect.com/science/article/abs/pii/S1386142520303073?via%3Dihub
Detailed molecular structure (XRD), conformational search, spectroscopic characterization (IR, Raman, UV, fluorescence), quantum mechanical properties and bioactivity prediction of a pyrrole analogue	K.E. Srikanth, A. Veeraiah, T. Pooventhiran, Renjith Thomas, K.A. Solomon, C.J.S. Raju, J.N.L. Latha	24058440	https://doi.org/10.1016/j.heliyon.2020.e04106
Mechanistic insights can resolve the low reactivity and selectivity issues in intermolecular Rauhut Currier (RC) reaction of γ -hydroxyenone	Z.Ullah, Renjith Thomas	1144-0546 (print); 1369-9261 (web)	https://doi.org/10.1039/D0NJ02732D .



Structural and physico-chemical evaluation of melatonin and its solution-state excited properties, with emphasis on its binding with novel coronavirus proteins	Al-Zaqri N., Pooventhiran T., Alsalmeh A., Warad I., John A.M., Thomas R.	1677322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089891937&doi=10.1016%2fj.molliq.2020.114082&partnerID=40&md5=2be56df45cb8f261641bd4295e1c7bc0
Cocrystals of hydrochlorothiazide with picolinamide, tetramethylpyrazine and piperazine: quantum mechanical studies, docking and modelling of the photovoltaic efficiency for DSSC	Al-Otaibi J.S., Almuqrin A.H., Mary Y.S., Mary Y.S., Thomas R.	16102940	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090246556&doi=10.1007%2fs00894-020-04528-9&partnerID=40&md5=f67516755be1ef7bbfb0f8714f467d79
Spectral analysis and detailed quantum mechanical investigation of some acetanilide analogues and their self-assemblies with graphene and fullerene	Almuqrin A.H., Al-Otaibi J.S., Mary Y.S., Thomas R., Kaya S., Işın D.Ö.	16102940	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090082031&doi=10.1007%2fs00894-020-04485-3&partnerID=40&md5=a6eb713ff5dca78a096196ad0bab0326
Hole transport nature exploration of 4,4-Difluoro-8-(C ₄ H ₃ X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	A. Irfan, M. Imran, Renjith Thomas, M.W. Mumtaz, M.A.R. Basra, S. Ullah, A.G. Al-Sehemi, M.A. Assiri	0892-7022	https://doi.org/10.1080/08927022.2020.1820005
Synthesis of Selenium Based DII-A-DI-A-DII Type Small Molecular e-Donors Employing Stille Coupling and Their Thermal, Electrochemical and Photovoltaic Properties	Appalanaidu, E.; Busireddy, M.R.; Srikanth, K.E.; Reddy, B.V.S.; Rao, V.J.; Renjith Thomas.	2365-6549	https://doi.org/10.1002/slct.202003216



Corrosion inhibition of mild steel using poly(2-ethyl-2-oxazoline) in 0.1 M HCl solution	Zachariah P. M., Keerthi R., Cyril Augustine, Bincy J., S. John		https://doi.org/10.1016/j.heliyon.2020.e05560
Surface Plasmon Resonance-Enhanced Bathochromic-Shifted Photoluminescent Properties of Pure and Structurally Modified Electrospun Poly(methyl methacrylate) (PMMA) Nanofibers Incorporated with Green-Synthesized Silver Nanoparticles	Princy Philip, Tomlal Jose, Jithin Prakash, Shijo K. Cherian.	0361-5235	https://link.springer.com/article/10.1007/s11664-021-09003-6
Studies on the structural and optical properties of samarium β -diketonate complex incorporated electrospun poly(methyl methacrylate) nanofibers with different architectures	Princy Philip, Tomlal Jose, Adon Jose, Shijo K. Cherian.	ISSN:1522-7243	https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/bio.4029
Studies on the structural and optical properties of pure and structurally modified electrospun poly(methyl methacrylate) nanofibers incorporated with lanthanide complex	Philip P., Jose T., K V D., kuthanappilly J.M.	25740881	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098740883&doi=10.1080%2f25740881.2020.1867173&partnerID=40&md5=efc63b4d4a36f2b89bbdfb90119cd887



Markovnikov versus anti-Markovnikov addition and C–H activation: Pd–Cu synergistic catalysis	Ullah Z., Thomas R.	2682605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093512505&doi=10.1002%2faoc.6077&partnerID=40&md5=930a712794e9cd49e3c36b5e90f36ef1
Exploring the effect of oligothiophene and acene cores on the optoelectronic properties and enhancing p- and n-type ability of semiconductor materials	Irfan A., Imran M., Thomas R., Basra M.A.R., Ullah S., Al-Sehemi A.G., Assiri M.A.	17415993	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092604486&doi=10.1080%2f17415993.2020.1830401&partnerID=40&md5=ef7cc0829c676e46f051bd6728fb514d
Structure, Spectral Features, Bioactivity and Light Harvesting Properties of Methyl and Dimethyl Anthracene: Experimental and First Principle Studies	Rao D.J., Mary Y.S., Mary Y.S., Resmi K.S., Thomas R.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077880773&doi=10.1080%2f10406638.2019.1709083&partnerID=40&md5=5645ec0a9506673497f2a5f2ceb2a0db
Spectroscopic and Theoretical Studies of Potential Anti-Inflammatory Polycyclic Aromatic Fluorophenyl Substituted Acyclic and Heterocyclic Analogues Synthesized from 4,4'-Difluorophenylchalcone	Sheena Mary Y., Shyma Mary Y., Thomas R., Resmi K.S., Narayana B., Samshuddin S., Sarojini B.K.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076883433&doi=10.1080%2f10406638.2019.1699836&partnerID=40&md5=e13352909d12a1d5e72b2dfe88915502
Quantum Mechanical Studies of Three Aromatic Halogen-Substituted Bioactive Sulfonamidobenzoxazole Compounds with Potential Light Harvesting Properties	Sheena Mary Y., Ertan-Bolelli T., Thomas R., Krishnan A.R., Bolelli K., Kasap E.N., Onkol T., Yildiz I.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074971165&doi=10.1080%2f10406638.2019.1689405&partnerID=40&md5=5803ed0ed7cae49bb3957d5588d941e1
Theoretical Studies on the Structure and Various Physico-Chemical and Biological Properties of a Terphenyl Derivative with Immense Anti-Protozoan Activity	Mary Y.S., Mary Y.S., Thomas R., Narayana B., Samshuddin S., Sarojini B.K., Armaković S., Armaković S.J., Pillai G.G.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066974887&doi=10.1080%2f10406638.2019.1624974&partnerID=40&md5=ae160b0e62606b382ee7a1d503d076e1



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Exploration of electronic nature and intrinsic mobility of 10-(1,3-dithiol-2-ylidene)anthracene based organic semiconductor materials	Irfan A., Imran M., Thomas R., Mumtaz M.W., Qayyum M.A., Ullah S., Assiri M.A., Al-Sehemi A.G.	304026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091677146&doi=10.1016%2fj.ijleo.2020.165530&partnerID=40&md5=dad5a63136ec3ae7d98bad79d1d34465
Detailed spectra, electronic properties, qualitative non-covalent interaction analysis, solvatochromism, docking and molecular dynamics simulations in different solvent atmosphere of cenobamate	Pooventhiran T., Bhattacharyya U., Rao D.J., Chandramohan V., Karunakar P., Irfan A., Mary Y.S., Thomas R.	10400400	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089292526&doi=10.1007%2fs11224-020-01607-8&partnerID=40&md5=6e2705db209fb7c4dc583fec73a92722
Dust acoustic solitary waves in a five-component cometary plasma with charge variation	Varghese A., Saritha A.C., Willington N.T., Michael M., Sebastian S., Sreekala G., Venugopal C.	2506335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085306463&doi=10.1007%2fs12036-020-09630-1&partnerID=40&md5=13184f40f9245e7a90eebe90ff5da784
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Direct Bandgap-like Strong Photoluminescence from Twisted Multilayer MoS ₂ grown on SrTiO ₃ Direct Bandgap-like Strong Photoluminescence from Twisted Multilayer MoS ₂ grown on SrTiO ₃	Soumya Sarkar, Sinu Mathew*, Ashutosh Rath, Majid Panahandeh-Fard, Surajit Saha, Sreetosh Goswami, Mary Scott, Thirumalai Venkatesan	1936-0851 (print); 1936-086X (web)	https://pubs.acs.org/doi/abs/10.1021/acsnano.0c04801
A study on antennal sensilla of the female worker castes of <i>Tetragonula iridipennis</i> (Smith) (Hymenoptera: Apidae).	Martin J. Babu and Sujitha C.R.	ISSN 0973-1555(Print) ISSN 2348-7372(Online)	https://zenodo.org/record/4406280#.Yz5nFHZBzIU
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Hole transport nature exploration of 4,4-Difluoro-8-(C ₄ H ₃ X)-4-bora-3a,4a-diaza-s-indacene (X = O, S, Se) (BODIPY) systems	Irfan A., Imran M., Thomas R., Mumtaz M.W., Basra M.A.R., Ullah S., Al-Sehemi A.G., Assiri M.A.	8927022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091140839&doi=10.1080%2f08927022.2020.1820005&partnerID=40&md5=c0be3a257c17ed775c16bbe89ecddae9



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Response of the Equatorial Ionosphere to the Annular Solar Eclipse of 15 January 2010	Jose L., Vineeth C., Pant T.K., Kumar K.K.	21699380	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089919382&doi=10.1029%2f2019JA027348&partnerID=40&md5=6a1dc808cf17d611d3eaabd83dc5d1d0



<p>Modeling the conformational preference, spectroscopic properties, UV light harvesting efficiency, biological receptor inhibitory ability and other physico-chemical properties of five imidazole derivatives using quantum mechanical and molecular mechanics tools</p>	<p>Al-Otaibi J.S., Almuqrin A.H., Mary Y.S., Thomas R.</p>	<p>1677322</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083820804&doi=10.1016%2fj.molliq.2020.112871&partnerID=40&md5=dd53e3e0945af5e380213c0f3db33b44</p>
<p>Efficacy of embelia tsjeriam-cottam (Roem. & schult.) a. dc. in calcium chelation</p>	<p>Sebastian A., Mathew J.T., Jose T., George K.V., Antony V.T.</p>	<p>9757538</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090648192&doi=10.26452%2fijrps.v11i3.2742&partnerID=40&md5=e9de29f428b08944c70985ec08efd0f2</p>
<p>Effects of Nonextensive Ions (Heavier and Lighter) on Ion Acoustic Solitary Waves in a Magnetized Five Component Cometary Plasma with Kappa Described Electrons</p>	<p>Manesh M., Anu V., Neethu T.W., Sijo S., Sreekala G., Venugopal C.</p>	<p>1063780X</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084990381&doi=10.1134%2fS1063780X20050062&partnerID=40&md5=ef946830f745c15d2b8fe520d0a4f8b7</p>
<p>Experimental and computational analysis of 1-(4-chloro-3-nitrophenyl)-3-(3,4-dichlorophenyl)thiourea</p>	<p>Bielenica A., Beegum S., Mary Y.S., Mary Y.S., Thomas R., Armaković S., Armaković S.J., Madeddu S., Struga M., Van Alsenoy C.</p>	<p>222860</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077490940&doi=10.1016%2fj.molstruc.2019.127587&partnerID=40&md5=bcc945e109f1334bc7792c55f24a34ec</p>



Catalytic activity of Derris trifoliata stabilized gold and silver nanoparticles in the reduction of isomers of nitrophenol and azo violet	Cyril N., George J.B., Nair P.V., Joseph L., Sunila C.T., Smitha V.K., Anila B.N., Sylas V.P.	2352507X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85079855036&doi=10.1016%2fj.nanoso.2020.100430&partnerID=40&md5=e56d027d02ce9509c5dfd9ae5e7939ae
Intricate spectroscopic profiling, light harvesting studies and other quantum mechanical properties of 3-phenyl-5-isooxazolone using experimental and computational strategies	Priya Y.S., Rao K.R., Chalapathi P.V., Veeraiah A., Srikanth K.E., Mary Y.S., Thomas R.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075917492&doi=10.1016%2fj.molstruc.2019.127461&partnerID=40&md5=f5d29112c17dec32d9e0c96fc460a2b6
Spectral characterization, thermochemical studies, periodic SAPT calculations and detailed quantum mechanical profiling various physico-chemical properties of 3,4-dichlorodiuron	Haruna K., Kumar V.S., Armaković S.J., Armaković S., Mary Y.S., Thomas R., Popoola S.A., Almohammed A.R., Roxy M.S., Al-Saadi A.A.	13861425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075367929&doi=10.1016%2fj.saa.2019.117580&partnerID=40&md5=cae0c0acc04f118ea10fc579c6b755b5
Amidoxime modified PAN supported palladium complex: A greener and efficient heterogeneous catalyst for heck reaction	Sruthi P.R., Sarika V., Suku A., Krishnan A., Anas S.	201693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076252401&doi=10.1016%2fj.ica.2019.119305&partnerID=40&md5=efa8c62880a8cbddb015375a150270fb



Hybrid and bioactive cocrystals of pyrazinamide with hydroxybenzoic acids: Detailed study of structure, spectroscopic characteristics, other potential applications and noncovalent interactions using SAPT	Al-Otaibi J.S., Mary Y.S., Armaković S., Thomas R.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075380185&doi=10.1016%2fj.molstruc.2019.127316&partnerID=40&md5=5c4b551e2a63bccd6203234a4c85fe66
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Origin of colossal dielectric behavior in hydrothermally prepared non-stoichiometric α -MnO ₂ nanorods	John R.E., Chandran A., Samuel M., Thomas M., George K.C.	13869477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072265578&doi=10.1016%2fj.physe.2019.113720&partnerID=40&md5=c20b912b10c3c101e15d1c068b6d0def
Synthesis, spectral properties, chemical descriptors and light harvesting studies of a new bioactive azo imidazole compound	Kumar V.S., Mary Y.S., Pradhan K., Brahman D., Mary Y.S., Thomas R., Roxy M.S., Alsenoy C.V.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071970211&doi=10.1016%2fj.molstruc.2019.127035&partnerID=40&md5=213a3e927795242415d38af1b4cfb964
Exploring the detailed spectroscopic characteristics, chemical and biological activity of two cyanopyrazine-2-carboxamide derivatives using	Beegum S., Mary Y.S., Mary Y.S., Thomas R., Armaković S., Armaković S.J., Zitko J., Dolezal M., Van Alsenoy C.	13861425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069910675&doi=10.1016%2fj.saa.2019.117414&partnerID=40&md5=840e841e463d0329807606f3e390d6ed



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Development and characterization of organoclay filled polyetherimide nanocomposites for anticorrosive coatings	James Jose A., Chacko F., Wilson R., Alagar M.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103704268&doi=10.1016%2fj.matpr.2020.05.232&partnerID=40&md5=e19cbe46fa749c05c0edf3ed146f4688
First-Principle Studies of Istradefylline with Emphasis on the Stability, Reactivity, Interactions and Wavefunction-Dependent Properties	Al-Zaqri N., Pooventhiran T., Alsalme A., Rao D.J., Rao S.S., Sankar A., Thomas R.	10406638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097441845&doi=10.1080%2f10406638.2020.1857273&partnerID=40&md5=5405e958686f72ed722ec264e7dc9f29
Mechanistic insights can resolve the low reactivity and selectivity issues in intermolecular Rauhut-Currier (RC) reaction of c-hydroxyenone†	Ullah Z., Thomas R.	11440546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094581764&doi=10.1039%2fd0nj02732d&partnerID=40&md5=fda6d6f161bf09c87aa76877f87e62f9
Eleven new records of lichens to the state of Kerala, India	Zachariah S.A., Nayaka S., Joseph S., Gupta P., Varghese S.K.	9747893	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088802962&doi=10.11609%2fjott.5475.12.10.16402-16406&partnerID=40&md5=104cd43bbfac88983d7b74354d960c75



Structural study of letrozole and metronidazole and formation of self-assembly with graphene and fullerene with the enhancement of physical, chemical and biological activities	Almuqrin A.H., Al-Otaibi J.S., Mary Y.S., Mary Y.S., Thomas R.	7391102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087772043&doi=10.1080%2f07391102.2020.1790420&partnerID=40&md5=1fdb5e315159461fc0fb729a0f5673a3
Effect of Structural Water on the Dielectric Properties of Hydrated Tungsten Trioxide	Manuja M., Sarath K.V., Thomas T., Jose J., Jose G.	3615235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078785492&doi=10.1007%2fs11664-020-07948-8&partnerID=40&md5=c0c60398874ed7778d0c473947d087d2
Syntheses, characterizations, crystal structures, DFT/TD-DFT, luminescence behaviors and cytotoxic effect of bicompartamental Zn (II)-dicyanamide Schiff base coordination polymers: An approach to apoptosis, autophagy and necrosis type classical cell death	Majumdar D., Agrawal Y., Thomas R., Ullah Z., Santra M.K., Das S., Pal T.K., Bankura K., Mishra D.	2682605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075209759&doi=10.1002%2faoc.5269&partnerID=40&md5=342ca460530d4b78a5c9d957ef35146f



Retraction notice to "Synthesis, spectral characterisation, quantum mechanical analysis and light harvesting properties of two azoimidazole analogues" [J. Mol. Struct. 1197 (2019) 45–55](S0022286019306167)(10.1016/j.molstruc.2019.05.051)	Smitha M., Mary Y.S., Pradhan K., Brahman D., Mary Y.S., Thomas R., Pavithran R., Alsenoy V.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072613906&doi=10.1016%2fj.molstruc.2019.127075&partnerID=40&md5=a9e8782417b0ade7324fb3b9f132bb8
Quantum mechanical and photovoltaic studies on the cocrystals of hydrochlorothiazide with isonazid and malonamide	Al-Otaibi J.S., Mary Y.S., Mary Y.S., Thomas R.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070005985&doi=10.1016%2fj.molstruc.2019.07.110&partnerID=40&md5=ed3522458ddb82f24104f84fbc6f555e
Synthesis, spectral characterisation, quantum mechanical analysis and light harvesting properties of two azoimidazole analogues	Smitha M., Mary Y.S., Pradhan K., Brahman D., Mary Y.S., Thomas R., Pavithran R., Alsenoy C.V.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068751658&doi=10.1016%2fj.molstruc.2019.05.051&partnerID=40&md5=ca1ee1fb74f4164aa93680c9e2843d1c
Design, synthesis and characterization of enzyme-analogue-built polymer catalysts as artificial hydrolases	Mathew D., Thomas B., Devaky K.S.	21691401	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064209665&doi=10.1016%2f21691401.2019.1576703&partnerID=40&md5=69e196480390c4727c00164f52a6984f



Characteristics of a nationwide voluntary antibiotic resistance awareness campaign in India; future paths and pointers for resource limited settings/low and middle income countries	Tamhankar A.J., Nachimuthu R., Singh R., Harindran J., Meghwanshi G.K., Kannan R., Kumar N.S., Negi V., Jacob L., Bhattacharyya S., Sahoo K.C., Mahadik V.K., Diwan V., Sharma M., Pathak A., Khedkar S.U., Avhad D., Saxena S., Nerkar S., Venu V., Kumar S., Shandeepan G., Singh K.R., Gashnga R., Kumar A.	16617827	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076885164&doi=10.3390%2fijerph16245141&partnerID=40&md5=17c4c2493dd4f20a18eb85a7d047e4e8
A new approach for the shaping up of very fine and beadless UV light absorbing polycarbonate fibers by electrospinning	Baby T., Jose E T., George G., Varkey V., Cherian S.K.	1429418	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071976225&doi=10.1016%2fj.polymertesting.2019.106103&partnerID=40&md5=0dca357d3b72f6c2a721a98b35ab47f7
Unraveling the effects Mn-site doping on structural, magnetic and magnetotransport properties of Nd _{0.67} Sr _{0.33} Mn _{0.9} T _{0.1} O ₃ (T= Mn, Fe, Cr, Ni)	Joseph S., John R.E., Saban K.V.	2728842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068559525&doi=10.1016%2fj.ceramint.2019.07.107&partnerID=40&md5=27f32093b5f1cdd8fa256ac9fce5017e
Computational Design and Fabrication of Enantioselective Recognition Sorbents for L-phenylalanine Benzyl Ester on Multiwalled Carbon Nanotubes Using Molecular Imprinting Technology	Sajini T., Thomas R., Mathew B.	2567679	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068168594&doi=10.1007%2fs10118-019-2282-4&partnerID=40&md5=494b5ef9d7966cbc3a2eb2928221454d



Recent Advances in Cross-linked Polyethylene-based Nanocomposites for High Voltage Engineering Applications: A Critical Review	Thomas J., Joseph B., Jose J.P., Maria H.J., Main P., Ali Rahman A., Francis B., Ahmad Z., Thomas S.	8885885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075635902&doi=10.1021%2faci.iecr.9b02172&partnerID=40&md5=e5dce78fcf84243d181489346700e1d5
Detailed quantum mechanical, molecular docking, QSAR prediction, photovoltaic light harvesting efficiency analysis of benzil and its halogenated analogues	Mary Y.S., Mary Y.S., Resmi K.S., Kumar V.S., Thomas R., Sureshkumar B.	24058440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074893804&doi=10.1016%2fj.heliyon.2019.e02825&partnerID=40&md5=88aeeba81d24a14634fda0353d33c9e1
Multifunctional transition metal doped Sb2O3 thin film with high near-IR transmittance, anti-reflectance and UV blocking features	Divya K.V., Abraham K.E.	1694332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069692407&doi=10.1016%2fj.apsusc.2019.07.062&partnerID=40&md5=5a86b893848b83143ff397fa3578a986
The effect of zinc doping on the surface roughness, near IR transmitting and reflecting properties of antimony trioxide thin film	Divya K.V., Kurien N.A., John N.R., Abraham K.E.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074773692&doi=10.1063%2f1.5130341&partnerID=40&md5=57f40fa8a87754703ea3de6276c8ae7c
Exploring the dielectric behavior of Titania Tenorite nanocomposites	Kurien N.A., Divya K.V., Thomas P., Abraham K.E.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074767758&doi=10.1063%2f1.5130235&partnerID=40&md5=dcd113864f673332d4c8a6f0cc20e7e8



Electrical properties of Mn ₃ O ₄ nanorods developed through aluminum anodic membranes	John N., Divya K.V., Abraham K.E.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074767737&doi=10.1063%2f1.5130222&partnerID=40&md5=e4e243ac320d1b61f542d0f9b1b9b646
Electron trapping action of functionalized carbon nanotubes and PEDOT: PSS nanocomposite in inverted perovskite solar cell	Albert A., Sreelekshmi N., Jinchu I., Sreelatha K.S., Sreekala C.O.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074767674&doi=10.1063%2f1.5130332&partnerID=40&md5=c49a2c0ecfb eab73359204bb873f5bda
Influence of pH on structural and magnetic properties of nanocrystalline cobalt ferrites synthesized by sol-gel method	Anila I., Mathew M.J.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074759245&doi=10.1063%2f1.5130287&partnerID=40&md5=3f2f20d5c91 aff017877e871055cd3c6
Magneto caloric effects of (Gd _{1-x} Pr _x) ₅ Si _{2.1} Ge _{1.8} Sn _{0.1} alloys in low magnetic field near room temperature	Xavier J., Saban K.V.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074756905&doi=10.1063%2f1.5130219&partnerID=40&md5=b6278b47d8 bdd4f4d2ae138cfa2bec83
Characterization and magnetic phase resolution of CoFe ₂ O ₄ nanocubes and nanospheres	Cheriyian R.M., Anila I., Mathew M.J.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074756792&doi=10.1063%2f1.5130308&partnerID=40&md5=66fc796760 d0c6f4b90942fd496f038a
Preparation and characterization of luminescent polycarbonate nanofibers embedded with surface capped CdS nanoparticles	Baby T., Jose E.T.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074753307&doi=10.1063%2f1.5130223&partnerID=40&md5=36943b5f27



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A novel route for the synthesis of gamma phased Fe ₂ O ₃ nano particles through polymer assisted spray pyrolysis	Sadanandan A.K., Mathew M.J.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074747155&doi=10.1063%2f1.5130367&partnerID=40&md5=120cf7009339a32c7078472a666a0c30
Anti-Cancerous Brucine and Colchicine: Experimental and Theoretical Characterization	Afzal A., Thayyil M.S., Shariq M., Mary Y.S., Resmi K.S., Thomas R., Islam N., Abinu A.J.	23656549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074163118&doi=10.1002%2fslct.201902698&partnerID=40&md5=ca62cd38e1c583f3f62708c61e14ecac
Rational design and tailoring of imprinted polymeric enantioselective sensor layered on multiwalled carbon nanotubes for the chiral recognition of d-mandelic acid	Sajini T., John S., Mathew B.	17599954	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073356199&doi=10.1039%2fc9py01003c&partnerID=40&md5=0596bcaa1261b7689e83d4dde2ea9656
Structural and optical properties of synthesized poly(methyl methacrylate) (PMMA) and lanthanide β -diketonate complexes incorporated electrospun PMMA nanofibres for optical devices	Philip P., Thomas P., Jose E.T., Philip K.C., Thomas P.C.	2504707	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068074094&doi=10.1007%2fs12034-019-1893-2&partnerID=40&md5=61408d71a49480d8456d10b12e712711



Tailoring of photo-responsive molecularly imprinted polymers on multiwalled carbon nanotube as an enantioselective sensor and sorbent for L-PABE	Sajini T., John S., Mathew B.	2663538	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067313219&doi=10.1016%2fj.compscitech.2019.06.003&partnerID=40&md5=de555f350ee1cec03eab33aed4d248dd
A cost effective and facile approach to prepare beadless polycarbonate nanofibers with ultrafine fiber morphology	Baby T., Jose E T., Thomas P.C., Mathew J.T.	323888	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069894143&doi=10.1002%2fpen.25180&partnerID=40&md5=d3644130614d698382d9a4180d168ee
Temporal variations of the solar EUV network properties	Varghese B.S., Raju K.P., Kurian P.J.	2506335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070393901&doi=10.1007%2fs12036-019-9602-5&partnerID=40&md5=26f853a102973391016c73e2b4a82376
DFT and molecular docking investigations of oxacam derivatives	Mary Y.S., Mary Y.S., Resmi K.S., Thomas R.	24058440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069876154&doi=10.1016%2fj.helijon.2019.e02175&partnerID=40&md5=21762a91b2f445eb69b031eb09050318
An Insight into Photophysical Investigation of (E)-2-Fluoro-N'-(1-(4-Nitrophenyl)Ethylidene)Benzohydrazide through Solvatochromism Approaches and Computational Studies	Thadathil D.A., Varghese S., Akshaya K.B., Thomas R., Varghese A.	10530509	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068993872&doi=10.1007%2fs10895-019-02415-y&partnerID=40&md5=aa0a785ef51f876815bce27034c89b1d



Syntheses, X-ray crystal structures of two new Zn(II)-dicyanamide complexes derived from H ₂ vanen-type compartmental ligands: Investigation of thermal, photoluminescence, in vitro cytotoxic effect and DFT-TDDFT studies	Majumdar D., Das S., Thomas R., Ullah Z., Sreejith S.S., Das D., Shukla P., Bankura K., Mishra D.	201693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064823311&doi=10.1016%2fj.ica.2019.04.041&partnerID=40&md5=7f8a1907171a23c6cc5bde5e57113c64
Conformational profile, vibrational assignments, NLO properties and molecular docking of biologically active herbicide 1,1-dimethyl-3-phenylurea	Haruna K., Kumar V.S., Sheena Mary Y., Popoola S.A., Thomas R., Roxy M.S., Al-Saadi A.A.	24058440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067800306&doi=10.1016%2fj.heliyon.2019.e01987&partnerID=40&md5=087a29f9e4b4b6aed11a649ce5836278
Identification of Lead Molecules in Garcinia mangostana L. Against Pancreatic Cholesterol Esterase Activity: An In Silico Approach	Varghese G.K., Abraham R., Chandran N.N., Habtemariam S.	19132751	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060982530&doi=10.1007%2fs12539-017-0252-5&partnerID=40&md5=53a5b7b5d88db7f8ec4d1feb9e02e2c
2018 - 2019			
Rational design and synthesis of photo-responsive molecularly imprinted polymers for the enantioselective intake and release of L-phenylalanine benzyl ester on multiwalled carbon nanotubes	Sajini T., Thomas R., Mathew B.	323861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064736020&doi=10.1016%2fj.polymer.2019.04.031&partnerID=40&md5=8a8de44e2de3cba1c07f58810fdcf18b



<p>α-methylation and α-fluorination electronic effects on the regioselectivity of carbonyl groups of uracil by H and triel bonds in the interaction of U, T and 5FU with HCl and TrH 3 (Tr = B, Al)</p>	<p>Matondo A., Thomas R., Tsalu P.V., Mukeba C.T., Mudogo V.</p>	<p>10933263</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061613895&doi=10.1016%2fj.jmgm.2019.02.006&partnerID=40&md5=0228c97c441c1c68bd01fc8369ac588e</p>
<p>Synthesis and spectroscopic study of two new pyrazole derivatives with detailed computational evaluation of their reactivity and pharmaceutical potential</p>	<p>Thomas R., Mary Y.S., Resmi K.S., Narayana B., Sarojini S.B.K., Armaković S., Armaković S.J., Vijayakumar G., Alsenoy C.V., Mohan B.J.</p>	<p>222860</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060335408&doi=10.1016%2fj.molstruc.2019.01.014&partnerID=40&md5=bdfbaf19ceb561d8621f327b0c1e80f1</p>
<p>Two neoteric pyrazole compounds as potential anti-cancer agents: Synthesis, electronic structure, physico-chemical properties and docking analysis</p>	<p>Thomas R., Mary Y.S., Resmi K.S., Narayana B., Sarojini B.K., Vijayakumar G., Van Alsenoy C.</p>	<p>222860</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060051270&doi=10.1016%2fj.molstruc.2019.01.003&partnerID=40&md5=f52945ae499867eed9a6e5af107f824a</p>
<p>Kinetic and thermodynamic studies of molecularly imprinted polymers for the selective adsorption and specific enantiomeric recognition of D-mandelic acid</p>	<p>Sajini T., Gigimol M.G., Mathew B.</p>	<p>10229760</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063109507&doi=10.1007%2fs10965-019-1746-0&partnerID=40&md5=b13312edd631067ce3066660e270818e</p>
<p>Preparation and characterisation of surface roughened PMMA electrospun nanofibers from PEO - PMMA polymer blend nanofibers</p>	<p>Philip P., Tomlal Jose E., Chacko J.K., Philip K.C., Thomas P.C.</p>	<p>1429418</p>	<p>https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060474325&doi=10.1016%2fj.polymertesting.2019.01.009&partnerID=40</p>



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Corrosion inhibition of mild steel using chitosan / TiO ₂ nanocomposite coatings	John S., Salam A., Baby A.M., Joseph A.	3009440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060028754&doi=10.1016%2Fj.porgcoat.2019.01.025&partnerID=40&md5=6bd284f146810a3411b3c4db6b7ef796
Monovalent doping effects on the structural, magnetic and magnetotransport properties of La _{0.833} R _{0.167} MnO ₃ (R = Li ⁺ , Na ⁺ , Ag ⁺ , K ⁺)	Joseph S., Saban K.V.	2728842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059319377&doi=10.1016%2Fj.ceramint.2018.12.130&partnerID=40&md5=7c0c72122fc70001ba61b82d8ec0fe4a
Determination of ferromagnetic, superparamagnetic and paramagnetic components of magnetization and the effect of magnesium substitution on structural, magnetic and hyperfine properties of zinc ferrite nanoparticles	John S.P., Mathew J.	3048853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057496048&doi=10.1016%2Fj.jmmm.2018.11.030&partnerID=40&md5=a35c13c2d53c2273af70d067eee752d7
Metal insulator transition driven by hydrated water of tungsten trioxide	M M., V S.K., Thomas T., Jose J., Jose G., George K.C.	9258388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056884322&doi=10.1016%2Fj.jallcom.2018.11.193&partnerID=40&md5=d3896b194f2b4d7ddb153dd44835b1ac



Adsorption studies of hydrothermally synthesized tin oxide nanoparticles	Athira S., Nayana D.A., James K.K., Aravind A.	0094243X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063765892&doi=10.1063%2f1.5093826&partnerID=40&md5=e9ccec0d8b7fdb7977af9d74168162f5
Catalytic Degradation of Methyl Orange and Selective Sensing of Mercury Ion in Aqueous Solutions Using Green Synthesized Silver Nanoparticles from the Seeds of Derris trifoliata	Cyril N., George J.B., Joseph L., Syllas V.P.	10407278	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060735288&doi=10.1007%2fs10876-019-01508-9&partnerID=40&md5=cb31f6276e657aca675634315a32560
Photocatalytic colour enhancement of Methylene Blue and Rhodamine B dyes by coupled Titania Tenorite nanocomposites	Kurien N.A., Divya K.V., Thomas P., Abraham K.E.	12932558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059645109&doi=10.1016%2fj.solidstatesciences.2018.12.012&partnerID=40&md5=39c88dea2435255368f1c5a92c32e87a
A brief overview of molecularly imprinted polymers supported on titanium dioxide matrices	Sajini T., Gigimol M.G., Mathew B.	24685194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058955336&doi=10.1016%2fj.mtchem.2018.11.010&partnerID=40&md5=d3059c8eabee8576c969205314eeb16b
Unravelling the Competence of Leucocyanidin in Free Radical Scavenging: A Theoretical Approach Based on Electronic Structure Calculations	Augustine C.	224766	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065403354&doi=10.1134%2fS0022476619020045&partnerID=40&md5=e5c64b8fead5da304be1737df6d1a1da



Single crystal XRD, DFT investigations and molecular docking study of 2- ((1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)amino)naphthalene-1,4-dione as a potential anti- cancer lead molecule	P.R. K.R., Mary Y.S., Fernandez A., S A.P., Mary Y.S., Thomas R.	14769271	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057611037&doi=10.1016%2fj.compbiolchem.2018.11.022&partnerID=40&md5=a16bba63e9574299d5fa9ac64ae81b4c
Cocrystals of pyrazinamide with p-toluenesulfonic and ferulic acids: DFT investigations and molecular docking studies	Al-Otaibi J.S., Sheena Mary Y., Shyma Mary Y., Panicker C.Y., Thomas R.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053159951&doi=10.1016%2fj.molstruc.2018.08.055&partnerID=40&md5=9f3efaf72febfdcb7fa1c496e75f7060
Theoretical studies of squaraine and functionalized 2,1,3-benzothiadiazole molecules for solar cell applications	Mohan M.G., Krishnan A., James B., Augustine P., Manoj P.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105576773&doi=10.1016%2fj.matpr.2020.03.501&partnerID=40&md5=425152931009e56c3fb7234972ca1acb
Electrospinning technique for the fabrication of poly(styrene-co-methyl methacrylate) nanofibers and the effect of fiber diameter on UV-Visible absorption and thermal properties	Varkey V., Tomlal Jose E., Sajeev U.S.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105559865&doi=10.1016%2fj.matpr.2020.01.591&partnerID=40&md5=89786eb675115fa682a63346b1211bef



Red shifted photoluminescent properties of electrospun poly(methyl methacrylate) nanofibers incorporated with green synthesised silver nanoparticles	Philip P., Jose T., Sarath K.S., Philip K.C.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100215933&doi=10.1016%2fj.matpr.2020.05.620&partnerID=40&md5=df1ec2ec1bdd8f38a02c969191285978
Studies on the hypsochromic shifted optical properties of gold nanoparticles embedded electrospun poly(methyl methacrylate) (PMMA) nanofibers	Philip P., Jose T., Philip K.C., Manoj P., Sajini T.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100195070&doi=10.1016%2fj.matpr.2020.03.681&partnerID=40&md5=d94b687241a38513b1534e3c079a7057
Graphene: Promising nanoplatform for biomedical applications	Malavika C., Thomas P., Jose A.J.	ISBN-978-0-12-818431-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091639153&doi=10.1016%2fB978-0-12-818431-8.00010-6&partnerID=40&md5=73f4d6f870a82cbeaa66536e3d83566b
The novel synthesis and luminescence studies of CuO and Fe ₂ O ₃ embedded (8-hydroxyquinoline)zinc nanocomposites	Eapen A.K., Thomas P.	13000101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075586639&doi=10.3906%2ffiz-1807-39&partnerID=40&md5=601f58e0c3042bb0d9542bf4c4dd881c4



Protection of mild steel in hydrochloric acid using methyl benzimidazole substituted 1, 3, 4-oxadiazole: computational, electroanalytical, thermodynamic and kinetic studies	Ammal P R., R Prasad A., Ramya K., John S., Joseph A.	1694243	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071054594&doi=10.1080%2f01694243.2019.1637169&partnerID=40&md5=6a7e9ce141fa5a309dfc7d3280fc2b16
Molecular transport of aromatic solvents through oil palm micro fiber filled nitrile rubber composites	Joseph S., Jose A.J., Wilson R., Thomas S., Joseph K.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064451933&doi=10.1016%2fj.matpr.2019.02.158&partnerID=40&md5=3aba567c91b6f9a184409c33be8243a6
Studies on thermo mechanical and surface properties of polysulfone / poly(ether imide ester) blends	Jose A.J., Wilson R., Jacob G., Alagar M.	22147853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064428178&doi=10.1016%2fj.matpr.2019.02.159&partnerID=40&md5=5249118841a809b59247325b9a779e95
Assessment of antioxidant, antibacterial and anti-proliferative (lung cancer cell line A549) activities of green synthesized silver nanoparticles from Derris trifoliata	Cyril N., George J.B., Joseph L., Raghavamenon A.C., Sylas V.P.	2045452X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062347875&doi=10.1039%2fc8TX00323H&partnerID=40&md5=438ed6d9760ea50d7f33d9ad3f772560
A pilot level approach to remove anionic species from industrial effluents using a novel carbonate-steam pyrolysed activated charcoal system	Mahadevan H., Nayana A.R., Viswadas V., Antony S., Dev V.V., Sudhakaran S., Priya Pious H., Anoop Krishnan K.	9218831	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055251681&doi=10.1016%2fj.appt.2018.10.011&partnerID=40&md5=83951bac175cd8f786e03664b6a1ba1c



Synthesis and spectroscopic study of three new oxadiazole derivatives with detailed computational evaluation of their reactivity and pharmaceutical potential	Mary Y.S., Miniyar P.B., Mary Y.S., Resmi K.S., Panicker C.Y., Armaković S., Armaković S.J., Thomas R., Sureshkumar B.	222860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053123093&doi=10.1016%2Fj.molstruc.2018.07.026&partnerID=40&md5=8bbe2bae15043c79d26232a5d4600e9e
Tailoring Mechanical Properties of Suspended Graphene by Energetic Ion Beams	Annamalai M., Mathew S., Chan T.K., Zhan D., Shen Z.X., Palaniapan M., Breese M.B.H., Venkatesan T.		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060293228&doi=10.1109%2Fnmems.2018.8556964&partnerID=40&md5=589b73bda28137c94a1194f6e4e6c1b2
Transition state analogue imprinted polymers as artificial amidases for amino acid p-nitroanilides: morphological effects of polymer network on catalytic efficiency	Mathew D., Thomas B., Devaky K.S.	21691401	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85033671343&doi=10.1080%2F21691401.2017.1394871&partnerID=40&md5=38fb1af968dc85eddfb56d5770645ff7
A new antifungal benzoic acid ester from <i>Uvaria narum</i>	Varghese A.E., Govindan B., Madhavankutty J., Valiyaveetil A.T., Karadka M., Baby S.	14786419	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029720789&doi=10.1080%2F14786419.2017.1375925&partnerID=40&md5=d8db8d0fc9c043a4e40b491d77832816
Molecular structure, spectroscopic, dielectric and thermal study, nonlinear optical properties, natural bond orbital, HOMO-LUMO and molecular docking analysis of	Hosna S., Janzen D.E., Mary Y.S., Resmi K.S., Thomas R., Mohamed R., Wajda S.	13861425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048960463&doi=10.1016%2Fj.saa.2018.06.062&partnerID=40&md5=19ffa539155f362f794d0b7dbd93af3



(C6Cl2O4) (C10H14N2F)2·2H2O			
Chitosan in water purification technology	Jose A.J., Jacob A.M., Manjusha K.C., Kappen J.	ISBN: 978-111952846-3;978-111952836-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100535736&doi=10.1002%2f9781119528463.ch5&partnerID=40&md5=d4d42794aeb06b6061e3f88ac017d527
Morphology of antennal cleaner in some selected ant species: A scanning electron microscopy study	Babu M.J., Sam S.E.	3779335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112711430&partnerID=40&md5=bbae6f272809a9c22898c7aac01d3f9a
Geometrical effect of 3D-memory cavity on the imprinting efficiency of transition-state analogue-built artificial hydrolases	Mathew D., Thomas B., Devaky K.S.	1700839	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034570030&doi=10.1007%2fs00289-017-2237-2&partnerID=40&md5=b04d59e2633329b56a917751a4b9734b
Ultra structure of the compound eyes of the ants - <i>Odontomachus haematodus</i> and <i>Diacamma rugosum</i>	Babu M.J., Nair R.	113891	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051862611&doi=10.18520%2fcs%2fv115%2fi4%2f624-626&partnerID=40&md5=4518c85cc23cffc2d8fa42ce49955306



Exploring the photoluminescence emission behaviour of vacuum deposited Sb ₂ O ₃ thin film having randomly oriented thorn like structures	Divya K.V., Thomas P., Abraham K.E.	13698001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044728616&doi=10.1016%2fj.mssp.2018.03.031&partnerID=40&md5=630f8aed43f05c6393aba47e6e7eb671
Enhanced room temperature gas sensing of aligned Mn ₃ O ₄ nanorod assemblies functionalized by aluminum anodic membranes	John N., Thomas P., Divya K.V., Abraham K.E.	9574484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048975550&doi=10.1088%2f1361-6528%2faac655&partnerID=40&md5=149c3f834a14ba343981386c69b44850
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