Scopus Indexed Publications

Authors	Title of the Article	Journal title	Volume	Issue	Year	Cited by	DOI	Link
2021								
Mohanraj K., Chang J.H., Balasubramanian D., Chandrasekaran J., Marnadu R., Babu B., Senthil Kumar N., Chandrasekar S.	Effect of Ti on microstructural and optoelectrical characteristics of Ti-CdO NPs prepared with microwave irradiation techniques for application of the n-TiCdO/p-Si photodetector	Journal of Alloys and Compounds	888		2021	3	10.1016/j.jallcom.2021.161568	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112764969&doi=10.1016%2fj.jallcom.2021.161568&partnerID=40&md5=64b0640ecda2b074a0e9a692875178da
Gowtham B., Balasubramani V., Ramanathan S., Ubaidullah M., Shaikh S.F., Sreedevi G.	Dielectric relaxation, electrical conductivity measurements, electric modulus and impedance analysis of WO3 nanostructures	Journal of Alloys and Compounds	888		2021	1	10.1016/j.jallcom.2021.161490	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112742972&doi=10.1016%2fj.jallcom.2021.161490&partnerID=40&md5=f61cccb401a918afcf4e5e3177c328c4
Govindaraj T., Mahendran C., Manikandan V.S., Archana J., Navaneethan M.	Enhanced visible-light-driven photocatalytic activity of Ce doped WO3 nanorods for Rhodamine B dye degradation	Materials Letters	305		2021	2	10.1016/j.matlet.2021.130705	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113918187&doi=10.1016%2fj.matlet.2021.130705&partnerID=40&md5=627b02a0e66fc79c132d77265a68b283
Paul M.J., Suresh R., Valavan K.T., Marnadu R., Vidhya M., Ahmad N., Alshehri A.M., Gedi S.	Enhancement in the sensitivity of photo-detector performance of CuO-Gd2O3 dual phase nanocomposites	Journal of Alloys and Compounds	886		2021	3	10.1016/j.jallcom.2021.161196	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110758605&doi=10.1016%2fj.jallcom.2021.161196&partnerID=40&md5=23fa528b13bd64772685fc382a702880
Ragupathi P., Muhammad T., Islam S., Wakif A.	Application of Arrhenius kinetics on MHD radiative von Kármán Casson nanofluid flow occurring in a Darcy-Forchheimer porous medium in the presence of an adjustable heat source	Physica Scripta	96	12	2021	7	10.1088/1402-4896/ac297c	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118357354&doi=10.1088%2f1402-4896%2fac297c&partnerID=40&md5=675cef4cb9e06c3213b69c5d57ee5a8b

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Kathiravan S., Jyothi S., Ayyannan G., Ravichandran J., Raja G.	Inhibitory action of aqueous Ruellia Tuberosa L leaves extract on the corrosion of copper in HCl solution	Journal of the Indian Chemical Society	98	11	2021	1	10.1016/j.jics.2021.100207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118751713&doi=10.1016%2fj.jics.2021.100207&partnerID=40&md5=bcdd08b423d6b20b491f25a0de4d0963

Harishsenthil P., Chandrasekaran J., Marnadu R., Balasubramani V.	Incorporation of Zn ions on high dielectric HfO2 thin films by spray pyrolysis and fabrication of Al/Zn@HfO2/n-Si Schottky barrier diodes	Sensors and Actuators, A: Physical	331		2021	2	10.1016/j.sna.2021.112725	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108985383&doi=10.1016%2fj.sna.2021.112725&partnerID=40&md5=91e74268b8d6222b3c9cfd46cb712480
Amsaraj C., Bharathikannan R., Muthuraja P., Rajkumar M.	Analyzing integrated π…π, C–H…π and hydrogen bonding interactions in N, N-Dimethyl-4-aminopyridinium benzilate	Journal of Molecular Structure	1242		2021	1	10.1016/j.molstruc.2021.130717	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107446157&doi=10.1016%2fj.molstruc.2021.130717&partnerID=40&md5=78c3c8d95fd09f1cf8b6edd006d7cbf3
Muthaiah S., Baleanu D., Thangaraj N.G.	Existence and Hyers-Ulam type stability results for nonlinear coupled system of Caputo-Hadamard type fractional differential equations	AIMS Mathematics	6	1	2021	16	10.3934/math.2021012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092607692&doi=10.3934%2fmath.2021012&partnerID=40&md5=91ff7441965753242b0e6dd88396e416
Anandh B.A., Sakthivel R., Shankar Ganesh A., Subramani S., Rajamanickam A.T.	Impact of aluminium on ZnO thin films for antimicrobial activity	Asian Journal of Chemistry	33	10	2021		10.14233/ajchem.2021.23342	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115656608&doi=10.14233%2fajchem.2021.23342&partnerID=40&md5=55da7b862c25d54e8d5d62032385b0b1
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Sasikumar K., Bharathikannan R., Sujithkumar G., Raja S., Arputhavalli G.J., Vidhya M., Marnadu R., Suresh R.	Structural, Optical, and Magnetic Properties of Mn-Doped Nickel Ferrite (Ni1-xMnxFe2O4) Thin Films Deposited by Jet Nebulizer Spray Pyrolysis Technique	Journal of Superconductivity and Novel Magnetism	34	8	2021	1	10.1007/s10948-021-05948-1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109302881&doi=10.1007%2fs10948-021-05948-1&partnerID=40&md5=13a2a31285b4b47950276a6b0d9415c5
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Kannapiran N., Muthusamy A., Meena S.S.	Study of Magnetic and Electrical Properties of Poly(o-phenylenediamine)/Manganese Substituted ZnFe2O4 Nanocomposites	Journal of Inorganic and Organometallic Polymers and Materials	31	8	2021	1	10.1007/s10904-021-02020-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105818291&doi=10.1007%2fs10904-021-02020-2&partnerID=40&md5=b74e7539dd56680379d68ec2294ff5bc
Narayanamoorthy S., Ramya L., Kalaiselvan S., Kureethara J.V., Kang D.	Use of DEMATEL and COPRAS method to select best alternative fuel for control of impact of greenhouse gas emissions	Socio-Economic Planning Sciences	76		2021	8	10.1016/j.seps.2020.100996	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099512421&doi=10.1016%2fj.seps.2020.100996&partnerID=40&md5=53317f5fa2dd3a8f436fb15c14990b3b
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Mohan K.S., Panneerselvam A., Marnadu R., Chandrasekaran J., Shkir M., Tataroğlu A.	A systematic influence of Cu doping on structural and opto-electrical properties of fabricated Yb2O3 thin films for Al/Cu-Yb2O3/p-Si Schottky diode applications	Inorganic Chemistry Communications	129		2021	2	10.1016/j.inoche.2021.108646	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105795043&doi=10.1016%2fj.inoche.2021.108646&partnerID=40&md5=ddda8179837461b905616745e88f1fd7
Karthik Kannan S., Thirunavukkarasu P., Marnadu R., Chandrasekaran J., Maruthamuthu S., Ali A.M., Shkir M.	Facile Synthesis of Indium Doped Tin Oxide (ITO) Nanoparticles and Development of a p-Si/n-ITO Photodiode for Optoelectronic Applications	Journal of Electronic Materials	50	7	2021	1	10.1007/s11664-021-08905-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104952417&doi=10.1007%2fs11664-021-08905-9&partnerID=40&md5=68bf57d9241cb49efaac363ffab61bd3
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Dilip R., Jayaprakash R.	Supremacy of Magnetic Behaviour in n-Heptane Based M Doped Barium Ferrite (BaFe2O4) Nanoparticles (M: Co, Ni and Mn)	Journal of Inorganic and Organometallic Polymers and Materials	31	7	2021	1	10.1007/s10904-021-01963-w	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102918361&doi=10.1007%2fs10904-021-01963-w&partnerID=40&md5=35414d81109447c2dc264ed91a8bce83

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Marnadu R., Chandrasekaran J., Nguyen T.D., Chang J.H., Mohanraj K., Alshahrani T., Shkir M., Kathirvel P.	A Facile Fabrication, Microstructural, Optical, Photoluminescence and Electrical Properties of Ni@CeO2 Films and p-Si/n-NDC Diodes for Photodetection Application	Journal of Inorganic and Organometallic Polymers and Materials	31	6	2021	5	10.1007/s10904-021-01965-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103345687&doi=10.1007%2fs10904-021-01965-8&partnerID=40&md5=a701fcf8aa609ab74aaca752a7f60f08

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Anand S., Muthusamy A.	Synthesis, characterization, electrochemical, electrical, thermal and ESIPT behaviour of oligobenzimidazoles of certain substituted benzimidazole carboxylic acids and their diode applications	Journal of Molecular Structure	1177		2019	2	10.1016/j.molstruc.2018.09.045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054873424&doi=10.1016%2fj.molstruc.2018.09.045&partnerID=40&md5=858be8f85de0ab0e73b95b88bd7a8bfe
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Harikrishnan S., Kanagarajan K., Vivek D.	A study on langevin equations with ψ-hilfer fractional derivative	Discontinuity, Nonlinearity, and Complexity	8	3	2019		10.5890/DNC.2019.09.002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076368562&doi=10.5890%2fDNC.2019.09.002&partnerID=40&md5=35e8a7772db5e4cb98c7481c326a2124
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Vivek D., Elsayed E.M., Kanagarajan K.	Theory and analysis of partial differential equations with a ψ-caputo fractional derivative	Rocky Mountain Journal of Mathematics	49	4	2019	8	10.1216/RMJ-2019-49-4-1355	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072659257&doi=10.1216%2fRMJ-2019-49-4-1355&partnerID=40&md5=7c8af1ecd606aa98cab8a3281256e8d5
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Hakeem A.K.A., Kalaivanan R., Ganga B., Ganesh N.V.	Nanofluid slip flow through porous medium with elastic deformation and uniform heat source/sink effects	Computational Thermal Sciences	11	3	2019	7	10.1615/ComputThermalScien.2018021278	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071172652&doi=10.1615%2fComputThermalScien.2018021278&partnerID=40&md5=530eb2492575c4efb7ea38cf3e4df6c3
Mohanraj V., Pavithra R., Thenmozhi M., Umarani R.	Synthesis, spectral, structural and thermal characterization of inorganic crystal: Phenyl trimethylammonium tetrachlorocobaltate	Asian Journal of Chemistry	31	8	2019		10.14233/ajchem.2019.21929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068832952&doi=10.14233%2fajchem.2019.21929&partnerID=40&md5=355c4f172c0b58e1fcdd9f80dd581da6
Abdul Hakeem A.K., Nayak M.K., Makinde O.D.	Effect of exponentially variable viscosity and permeability on blasius flow of Carreau Nano Fluid over an electromagnetic plate through a porous medium	Journal of Applied and Computational Mechanics	5	2	2019	22	10.22055/jacm.2018.26307.1322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067630478&doi=10.22055%2fjacm.2018.26307.1322&partnerID=40&md5=5d4ab1b4448074026cd4aa0219677a5a
Subramanian M., Vidhya Kumar A.R., Nandha Gopal T.	A fundamental approach on non-integer order differential equation using nonlocal fractional Sub-Strips boundary conditions	Discontinuity, Nonlinearity, and Complexity	8	2	2019	6	10.5890/DNC.2019.06.006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067309728&doi=10.5890%2fDNC.2019.06.006&partnerID=40&md5=c4c03c725afbf47d5d739e44dce1f334

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Sivabalan M., Sathiyanathan K.	Controllability criteria for nonlinear higher order fractional delay dynamical systems with impulses	Discontinuity, Nonlinearity, and Complexity	8	2	2019		10.5890/DNC.2019.06.009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067280890&doi=10.5890%2fDNC.2019.06.009&partnerID=40&md5=0ad08990a9ab6a998e640f7ee03a4054
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Vivek D., Kanagarajan K., Harikrishnan S.	Dynamics and stability results of fractional integro-differential equations with complex order	Discontinuity, Nonlinearity, and Complexity	7	2	2018	2	10.5890/DNC.2018.06.001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047868984&doi=10.5890%2fDNC.2018.06.001&partnerID=40&md5=21dceba9a71334b40282c1d3dbeee8e3
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Vivek D., Kanagarajan K., Elsayed E.M.	Nonlocal initial value problems for implicit differential equations with Hilfer–Hadamard fractional derivative	Nonlinear Analysis: Modelling and Control	23	3	2018	10	10.15388/NA.2018.3.4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047085498&doi=10.15388%2fNA.2018.3.4&partnerID=40&md5=083812774e50a8509410def002004744
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Jyothi S., Ravichandran J.	Corrosion inhibition of mildsteel in sulphuric acid by methanol extract of Luffa aegyptiaca leaves–electrochemical and statistical view	Journal of Adhesion Science and Technology	31	21	2017	9	10.1080/01694243.2017.1298301	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85014571369&doi=10.1080%2f01694243.2017.1298301&partnerID=40&md5=e2f1af6251490303821d8b6bfc5f1b33
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Balachandar S., Dhandapani M., Enoch I.V.M.V., Suganthi S.	Structural Analysis, Molecular Docking and DFT Calculations of Bis(Pyrazolium Picrate) Monohydrate Interaction with Calf Thymus DNA and Microbes	ChemistrySelect	2	29	2017	10	10.1002/slct.201701484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041942545&doi=10.1002%2fslct.201701484&partnerID=40&md5=39cbc3d1e44dbd0d7aa6b960d1dd9d9b
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Sundaram S., Jayaprakasam R., Dhandapani M., Senthil T.S., Vijayakumar V.N.	Theoretical (DFT) and experimental studies on multiple hydrogen bonded liquid crystals comprising between aliphatic and aromatic acids	Journal of Molecular Liquids	243		2017	28	10.1016/j.molliq.2017.08.010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027255171&doi=10.1016%2fj.molliq.2017.08.010&partnerID=40&md5=3d969e45e64b0a77001dbc1744838fa7

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Mohanraj V., Ponnuswamy S.	Design, synthesis, characterisation, conformation and biological investigation of N-acyl r-2,c-6-bis (4-methoxyphenyl)-c-3,t-3-dimethylpiperidin-4-ones	Journal of Molecular Structure	1144		2017	6	10.1016/j.molstruc.2017.05.036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019850802&doi=10.1016%2fj.molstruc.2017.05.036&partnerID=40&md5=263a1000aa4570fdef2df476b17ae053
Shanmugavadivu T., Dhandapani M., Naveen S., Lokanath N.K.	Synthesis, structural and spectral characterization of a novel NLO crystal N,N′-diphenylguanidinium picrate: diacetone solvate	Journal of Molecular Structure	1144		2017	11	10.1016/j.molstruc.2017.05.015	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019267827&doi=10.1016%2fj.molstruc.2017.05.015&partnerID=40&md5=50233cc1d7021b2e3df0a9caa5b73764
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Raja M., Chandrasekaran J., Balaji M., Kathirvel P.	Investigation of microstructural, optical and dc electrical properties of spin coated Al:WO3 thin films for n-Al:WO3/p-Si heterojunction diodes	Optik	145		2017	14	10.1016/j.ijleo.2017.07.049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026201020&doi=10.1016%2fj.ijleo.2017.07.049&partnerID=40&md5=820846d2aab8a8fb89fc5c194a3d9600

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Mohanraj V., Jayaprakash R., Chandrasekaran J., Robert R., Sangaiya P.	Influence of pH on particle size, band-gap and activation energy of CdS nanoparticles synthesized at constant frequency ultrasonic wave irradiation	Materials Science in Semiconductor Processing	66		2017	16	10.1016/j.mssp.2017.04.006	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018501360&doi=10.1016%2fj.mssp.2017.04.006&partnerID=40&md5=54fe5a1a0ecbfc456e03e2e8783cedd0
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Rajkumar M., Chandramohan A.	Synthesis, structural, thermal and mechanical properties of 1,10-phenanthrolinium-3-carboxy-4-hydroxy benzene sulphonate crystal: An efficient SHG material with a high laser damage threshold for NLO applications	Materials Letters	199		2017	4	10.1016/j.matlet.2017.04.049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017592688&doi=10.1016%2fj.matlet.2017.04.049&partnerID=40&md5=505cc5a5ccb6a9ffa0fa312e38916cfb

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Vadivelan G., Murugesan V., Saravanabhavan M., Sekar M.	Synthesis, spectral, structural and thermal characterization of NLO active crystal: 2-hydroxyethylammonium-4-nitrobenzoate	Optik	140		2017	1	10.1016/j.ijleo.2017.04.053	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018767794&doi=10.1016%2fj.ijleo.2017.04.053&partnerID=40&md5=17f23623330e071a5eccd5ab40485357
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Maruthamuthu S., Chandrasekaran J., Manoharan D., Magesh R.	Conductivity and dielectric analysis of Nanocolloidal polypyrrole particles functionalized with Higher weight percentage of poly(styrene sulfonate) using the dispersion polymerization method	Journal of Polymer Engineering	37	5	2017	5	10.1515/polyeng-2015-0321	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021361851&doi=10.1515%2fpolyeng-2015-0321&partnerID=40&md5=75d8b96676d0e3c932738f4a8f9ce8b8
Mohanraj K., Balasubramanian D., Chandrasekaran J., Babu B.	Structural, morphological, optical and electrical properties of nail-shaped CdO nanoparticles synthesized by chemical route assisted microwave irradiation method for P–N junction diode application	Journal of Materials Science: Materials in Electronics	28	11	2017	20	10.1007/s10854-017-6470-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011915793&doi=10.1007%2fs10854-017-6470-0&partnerID=40&md5=203713e8e620687f46c543f72801ea32
Balaji M., Chandrasekaran J., Raja M.	Characterization of WMoO3 Thin Films and its n-WMoO3/p-Si Junction Diodes Via JNS Pyrolysis Technique	Zeitschrift fur Physikalische Chemie	231	5	2017	7	10.1515/zpch-2016-0861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018445547&doi=10.1515%2fzpch-2016-0861&partnerID=40&md5=4c93a67f804ff43bcbda37e27d3c10d0

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Sampath K., Jayabalakrishnan C.	Biomolecular interaction and cytotoxicity of ruthenium(III) benzothiazole substituted ferrocenyl thiosemicarbazone complexes	Arabian Journal of Chemistry	10		2017	8	10.1016/j.arabjc.2013.12.017	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84892475053&doi=10.1016%2fj.arabjc.2013.12.017&partnerID=40&md5=057ac013a748b13bd864a2f244416ec1
Rajkumar M., Chandramohan A.	Synthesis, growth, structural, optical, thermal, electrical and mechanical properties of hydrogen bonded organic salt crystal: Triethylammonium-3, 5-dinitrosalicylate	Journal of Molecular Structure	1134		2017	13	10.1016/j.molstruc.2017.01.034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010189007&doi=10.1016%2fj.molstruc.2017.01.034&partnerID=40&md5=20fb5cc9dc98e4fe7ae52208d7a30e1e
Rajkumar M., Chandramohan A.	Synthesis, growth, characterisation and laser damage threshold studies of N,N-dimethylanilinium-3-carboxy-4-hydroxybenzenesulphonate crystal: An efficient SHG material for electro-optic applications	Optical Materials	66		2017	27	10.1016/j.optmat.2017.02.022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85012960833&doi=10.1016%2fj.optmat.2017.02.022&partnerID=40&md5=ab4c5d55a94067570ddda1f2f58d9e35
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Raja M., Chandrasekaran J., Balaji M.	The Structural, Optical and Electrical Properties of Spin Coated WO3 Thin Films Using Organic Acids	Silicon	9	2	2017	12	10.1007/s12633-016-9413-0	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84965078717&doi=10.1007%2fs12633-016-9413-0&partnerID=40&md5=896730a77c33151bed3c171e467ec985
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Balaji M., Chandrasekaran J., Raja M.	Morphological and optical evolution of different organic acids used MoO3 thin films by spin coating method	Optik	127	15	2016	8	10.1016/j.ijleo.2016.04.021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-84964689528&doi=10.1016%2fj.ijleo.2016.04.021&partnerID=40&md5=4b1952b2307bc595928594f3898df90e
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