

R Jayavel

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/607806/r-jayavel-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

438
papers

8,427
citations

46
h-index

64
g-index

457
ext. papers

9,575
ext. citations

3
avg, IF

6.48
L-index

#	Paper	IF	Citations
438	The effect of Sr and Sb co-doping on structural, morphological and thermoelectric properties of BaSnO ₃ perovskite material. <i>Journal of Alloys and Compounds</i> , 2022 , 894, 162335	5.7	0
437	A novel visible light active rare earth doped CdS nanoparticles decorated reduced graphene oxide sheets for the degradation of cationic dye from wastewater. <i>Chemosphere</i> , 2022 , 287, 132091	8.4	6
436	Enhancing the thermoelectric performance of nanostructured ZnSb by heterovalent bismuth substitution. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 160, 110303	3.9	2
435	Enhanced UV-Irradiated Photocatalytic Degradation of Malachite Green by Porous WO ₃ Decorated on 2D Graphene Sheet.. <i>Applied Biochemistry and Biotechnology</i> , 2022 , 1	3.2	0
434	Thermoelectric performance of Ge _{1-x} Sn _x Te (0 ≤ x ≤ 0.2) prepared by facile method. <i>Journal of Solid State Chemistry</i> , 2022 , 310, 122995	3.3	
433	Investigation on the Role of antimony in CdTe QDs sensitized solar cells. <i>Optical Materials</i> , 2022 , 129, 112551	3.3	0
432	Structural and magnetic properties of La ₂ Ni _{1-x} Zn _x MnO ₆ compounds. <i>Physica Scripta</i> , 2021 , 96, 1258452.6		
431	The effect of TEOS concentration in polysulphide electrolyte and CuS counter electrode on enhancing the performance of CdS quantum dot sensitized solar cells. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 1111	2.6	1
430	Novel chemical route for synthesis of CeO ₂ /ZnO nanocomposite towards high electrochemical supercapacitor application. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 8746-8755	2.1	2
429	The effect of graphene quantum dots/ZnS co-passivation on enhancing the photovoltaic performance of CdS quantum dot sensitized solar cells. <i>International Journal of Energy Research</i> , 2021 , 45, 15879-15891	4.5	2
428	Substrate effect on the neuromorphic function of nanoionics-based transistors fabricated using WO ₃ thin film. <i>Solid State Ionics</i> , 2021 , 364, 115638	3.3	0
427	Physicochemical and Morphological Properties of Achyranthes aspera Mediated CuO Nanoparticles for Inhibiting Cellular Adhesion. <i>Journal of Cluster Science</i> , 2021 , 32, 379-389	3	3
426	Bioengineered 2D Ultrathin Sharp-Edged MgO Nanosheets Using Achyranthes aspera Leaf Extract for Antimicrobial Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1120-1133	3.2	5
425	Enhanced electrochemical performance of lanthanum ferrite decorated reduced graphene oxide nanocomposite electrodes prepared by in situ microwave irradiation for energy storage applications. <i>International Journal of Energy Research</i> , 2021 , 45, 5272-5282	4.5	2
424	Effect of Gd and Nb co-substitution on enhancing the thermoelectric power factor of nanostructured SrTiO ₃ . <i>Ceramics International</i> , 2021 , 47, 3201-3208	5.1	3
423	Microwave synthesis of BiCu ₂ V ₂ O ₇ nanorods: structural, electrochemical supercapacitance, and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 2744-2756	2.1	2
422	Enhanced thermoelectric performance of band structure engineered GeSe _{1-x} Tex alloys. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 1734-1746	5.8	10

4 ²¹	The impact of Yb substitution on enhancing the thermoelectric properties of CuMnO ₂ nanostructures. <i>Journal of Solid State Chemistry</i> , 2021 , 303, 122533	3.3	0
4 ²⁰	A rutile TiO ₂ nanobundle as a precursor of an efficient visible-light photocatalyst embedded with Fe ₂ O ₃ . <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 4423-4430	6.8	2
4 ¹⁹	Microwave-assisted synthesis of ZnO nanostructures for organic solar cell applications. <i>Materials Today: Proceedings</i> , 2020 , 33, 2130-2133	1.4	1
4 ¹⁸	Facile Synthesis of Phase Tunable MoO ₃ Nanostructures and Their Electrochemical Sensing Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2823-2831	1.3	3
4 ¹⁷	Microstructural, optical, electrochemical and magnetic properties of hydrothermal synthesized zincite/carbon (ZnO/C) composite. <i>Chemical Physics Letters</i> , 2020 , 745, 137262	2.5	2
4 ¹⁶	Effect of core size on the luminescence properties of cadmium telluride/zinc sulphide core-shell quantum dots. <i>Materials Today: Proceedings</i> , 2020 , 33, 2358-2361	1.4	1
4 ¹⁵	Theoretical investigation on the crystal structure, spectral and optical properties of a novel organic optical material: (Acetoxy) (2-methylphenyl) methylacetate. <i>Journal of Molecular Structure</i> , 2020 , 1219, 128579	3.4	0
4 ¹⁴	Enhanced electrochemical performance of HMoO ₃ /graphene nanocomposites prepared by an microwave irradiation technique for energy storage applications.. <i>RSC Advances</i> , 2020 , 10, 22836-22847	3.7	12
4 ¹³	1D/2D Co ₃ O ₄ /Graphene Composite Electrodes for High-Performance Supercapacitor Applications. <i>Journal of Electronic Materials</i> , 2020 , 49, 3174-3181	1.9	14
4 ¹²	A facile synthesis of novel Fe ₂ O ₃ grafted 2D h-BN nanostructures for enhanced visible active photocatalytic applications. <i>New Journal of Chemistry</i> , 2020 , 44, 12289-12298	3.6	3
4 ¹¹	Enhancing the thermoelectric power factor of nanostructured ZnCoO by Bi substitution.. <i>RSC Advances</i> , 2020 , 10, 18769-18775	3.7	4
4 ¹⁰	CeO ₂ -based heterostructure nanocomposite for electrochemical determination of l-cysteine biomolecule. <i>Inorganic Chemistry Communication</i> , 2020 , 113, 107793	3.1	10
4 ⁰⁹	Investigation on ozone-sensing characteristics of surface sensitive hybrid rGO/WO ₃ nanocomposite films at ambient temperature. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 16-30	8.7	24
4 ⁰⁸	Enhancement of thermoelectric power factor of hydrothermally synthesised SrTiO ₃ nanostructures. <i>Materials Research Express</i> , 2020 , 7, 015094	1.7	2
4 ⁰⁷	Surfactant-Free Synthesis of NbO Nanoparticles Anchored Graphene Nanocomposites with Enhanced Electrochemical Performance for Supercapacitor Electrodes. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
4 ⁰⁶	Effect of sintering temperatures on mixed phases and thermoelectric properties of nanostructured copper telluride. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155276	5.7	7
4 ⁰⁵	Crystal design, thermal and dielectric behavior of novel silver (Ag) co-ordinated thiourea single crystals. <i>Materials Letters</i> , 2020 , 272, 127899	3.3	6
4 ⁰⁴	CuO/MoS ₂ nanocomposites for rapid and high sensitive non-enzymatic glucose sensors. <i>Ceramics International</i> , 2020 , 46, 16879-16885	5.1	12

403	Facile preparation of Mn ₃ O ₄ /rGO hybrid nanocomposite by sol-gel in situ reduction method with enhanced energy storage performance for supercapacitor applications. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 93, 703-713	2.3	12
402	Facile synthesis of CdS Quantum dots for QDSSC with high photo current density. <i>Materials Research Express</i> , 2020 , 7, 015528	1.7	3
401	Synthesis, structural and electrochemical properties of Mn-MoO ₄ /graphene nanocomposite electrode material with improved performance for supercapacitor application. <i>Journal of Energy Storage</i> , 2020 , 27, 101069	7.8	21
400	Investigations of rare earth doped CdTe QDs as sensitizers for quantum dots sensitized solar cells. <i>Journal of Luminescence</i> , 2020 , 219, 116881	3.8	7
399	Enhanced UV emission of solution processed highly transparent Alq ₃ /ZnO hybrid thin films. <i>Thin Solid Films</i> , 2020 , 710, 138265	2.2	5
398	Facile synthesis of morphology-controlled La:BaSnO ₃ for the enhancement of thermoelectric power factor. <i>CrystEngComm</i> , 2020 , 22, 5363-5374	3.3	4
397	High Sensitive Electrochemical Nitrite Sensor Using Fe ₂ O ₃ /MoS ₂ Nanocomposites Synthesized by Facile Method. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 1564-1570	5.1	1
396	Effect of Sb substitution on structural, morphological and electrical properties of BaSnO ₃ for thermoelectric application. <i>Physica B: Condensed Matter</i> , 2020 , 597, 412387	2.8	0
395	Anticorrosion Behavior of ZnO Nanoparticles Coated on Mild Steel in NaCl Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4061-4068	1.3	4
394	Reply to the comments on the paper: Crystal design, thermal and dielectric behavior of novel silver (Ag) co-ordinated thiourea single crystals. <i>Materials Letters</i> , 2020 , 280, 128674	3.3	
393	Antimonene nanosheets with enhanced electrochemical performance for energy storage applications. <i>Dalton Transactions</i> , 2020 , 49, 13717-13725	4.3	11
392	Facile synthesis of Yb ₂ O ₃ /graphene nanocomposites for enhanced energy and environmental applications. <i>Polymer Bulletin</i> , 2020 , 77, 3891-3906	2.4	4
391	Facile synthesis of perovskite type BiYO ₃ embedded reduced graphene oxide (RGO) composite for supercapacitor applications. <i>Ceramics International</i> , 2020 , 46, 3471-3478	5.1	8
390	Effect of co-sensitization of InSb quantum dots on enhancing the photoconversion efficiency of CdS based quantum dot sensitized solar cells. <i>RSC Advances</i> , 2020 , 10, 14837-14845	3.7	8
389	Bifunctional investigation of ultra-small SnO nanoparticle decorated rGO for ozone sensing and supercapacitor applications. <i>RSC Advances</i> , 2020 , 11, 856-866	3.7	2
388	Preparation and thermal characteristics of caprylic acid based composite as phase change material for thermal energy storage. <i>Materials Research Express</i> , 2019 , 6, 105051	1.7	15
387	High Electrochemical Performance and Enhanced Electrocatalytic Behavior of a Hydrothermally Synthesized Highly Crystalline Heterostructure CeO@NiO Nanocomposite. <i>Inorganic Chemistry</i> , 2019 , 58, 13843-13861	5.1	24
386	Freestanding flexible, pure and composite form of reduced graphene oxide paper for ammonia vapor sensing. <i>Scientific Reports</i> , 2019 , 9, 8749	4.9	16

385	Enhancing effects of Te substitution on the thermoelectric power factor of nanostructured SnSeTe. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15725-15733	3.6	13
384	Nanoscaled Biodegradable Metal-Polymeric Three-Dimensional Framework for Endothelial Cell Patterning and Sustained Angiogenesis. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2519-2531	5.5	4
383	Enhanced photocatalytic performance of heterostructure CeO ₂ /SnO ₂ nanocomposite via hydrothermal route. <i>Materials Research Express</i> , 2019 , 6, 075032	1.7	7
382	A facile preparation, performance and emission analysis of pongamia oil based novel biodiesel in diesel engine with CeO ₂ :Gd nanoparticles. <i>Fuel</i> , 2019 , 255, 115756	7.1	20
381	TiO ₂ nanostructures with controlled morphology for improved electrical properties of photoanodes and quantum dot sensitized solar cell characteristics. <i>Surfaces and Interfaces</i> , 2019 , 17, 100350	4.1	8
380	High-performance electrochemical capacitor based on cuprous oxide/graphene nanocomposite electrode material synthesized by microwave irradiation method. <i>Emergent Materials</i> , 2019 , 2, 495-504	3.5	10
379	Indium Oxide/Carbon Nanotube/Reduced Graphene Oxide Ternary Nanocomposite with Enhanced Electrochemical Supercapacitance. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 521-528	5.1	65
378	Effect of Bismuth substitution on the enhancement of thermoelectric power factor of nanostructured Bi _x Co _{3-x} O ₄ . <i>Ceramics International</i> , 2019 , 45, 6782-6787	5.1	6
377	Photovoltaic Performances of Yb Doped CdTe QDs Sensitized TiO ₂ Photoanodes for Solar cell Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 859-868	3.2	12
376	Studies on electrochemical properties of heterolite (ZnMn ₂ O ₄) nanostructure for supercapacitor application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019 , 106, 121-126	3	21
375	BiVO ₄ /RGO hybrid nanostructure for high performance electrochemical supercapacitor. <i>Journal of Solid State Chemistry</i> , 2019 , 269, 409-418	3.3	28
374	Structural, Morphological and Photocatalytic Activity of YMnO ₃ Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2385-2390	1.3	4
373	Facile synthesis of heterostructure CeO ₂ -TiO ₂ nanocomposites for enhanced electrochemical sensor and solar cell applications. <i>Journal of Alloys and Compounds</i> , 2019 , 773, 449-461	5.7	32
372	Influence of Al doping on structural, luminescence and electrochemical properties of V ₂ O ₅ nanostructures synthesized via non-hydrolytic sol-gel technique. <i>Materials Research Express</i> , 2019 , 6, 015017	1.7	3
371	Role of hexamine in ZnO morphologies at different growth temperature with potential application in dye sensitized solar cell. <i>Materials Science in Semiconductor Processing</i> , 2019 , 92, 108-115	4.3	25
370	Vanadium sulfide/reduced graphene oxide composite with enhanced supercapacitance performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 92, 72-79	5.3	21
369	Templated synthesis of atomically thin platy hematite nanoparticles within a layered silicate exhibiting efficient photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5166-5171	13	14
368	Evaluation of Reaction Parameters Dependent Optical Properties and Its Photovoltaics Performances of CdTe QDs. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 1263-1275	3.2	22

367	Enhanced Photocatalytic Degradation of Synthetic Dyes and Industrial Dye Wastewater by Hydrothermally Synthesized $\text{Gd}_2\text{O}_3/\text{Co}_3\text{O}_4$ Hybrid Nanocomposites Under Visible Light Irradiation. <i>Journal of Cluster Science</i> , 2018 , 29, 235-250	3	10
366	Shape controlled synthesis of rod-like Co_3O_4 nanostructures as high-performance electrodes for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 6059-6067	2.1	21
365	Synthesis, growth, spectral, electrical, mechanical and thermal characterization of a potential optical material: Glycine single crystal. <i>Optical Materials</i> , 2018 , 80, 177-185	3.3	7
364	Film thickness effect and substrate dependent tribo-mechanical characteristics of titanium nitride films. <i>Surfaces and Interfaces</i> , 2018 , 12, 78-85	4.1	9
363	Rapid synthesis of $\text{WO}_3/\text{graphene}$ nanocomposite via in-situ microwave method with improved electrochemical properties. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 120, 250-260	3.9	25
362	Synthesis of highly stable silver nanoparticles through a novel green method using <i>Mirabilis jalapa</i> for antibacterial, nonlinear optical applications. <i>Optical Materials</i> , 2018 , 79, 457-463	3.3	13
361	Effect of rare earth doping on the enhancement of photocatalytic performance of ceria nanocrystals under natural sunlight. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9564-9572	2.1	7
360	Neuromorphic transistor achieved by redox reaction of WO_3 thin film. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FK01	1.4	4
359	Heteroatom doped reduced graphene oxide paper for large area perovskite solar cells. <i>Solar Energy</i> , 2018 , 163, 564-569	6.8	28
358	Molybdenum Oxide/Graphene Nanocomposite Electrodes with Enhanced Capacitive Performance for Supercapacitor Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 50-62	3.2	13
357	Hierarchical Flower Structured $\text{Bi}_2\text{S}_3/\text{Reduced Graphene Oxide}$ Nanocomposite for High Electrochemical Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 73-83	3.2	17
356	Enhanced performance of PbO nanoparticles and PbO-CdO and PbO-ZnO nanocomposites for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 55-63	5.7	19
355	Sensitive electrochemical detection of glucose based on Au-CuO nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 122, 255-260	3.9	24
354	Impact of graphene on the enhancement of electrochemical and photocatalytic performance of Gd_2O_3 - Graphene nanocomposites. <i>Solid State Sciences</i> , 2018 , 83, 171-180	3.4	13
353	Synthesis of Metastable Au-Fe Alloy Using Ordered Nanoporous Silica as a Hard Template. <i>Metals</i> , 2018 , 8, 17	2.3	2
352	The theoretical and experimental vibrational studies of thiourea and silver nitrate (2:1) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 204, 717-725	4.4	2
351	Enhancement of third-order nonlinear optical properties of HMTA stabilized pure and doped ZnS nanoparticles and their electronic structures. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2018 , 27, 1850016	0.8	8
350	Synthesis and Electrochemical Studies of rGO/ZnO Nanocomposite for Supercapacitor Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 2046-2055	3.2	51

349	Enhanced visible light photocatalytic activity of LaMnO ₃ nanostructures for water purification. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4323-4337	2.8	9
348	Enhanced electrochemical supercapacitor and excellent amperometric sensor performance of heterostructure CeO ₂ -CuO nanocomposites via chemical route. <i>Applied Surface Science</i> , 2018 , 456, 104-113	6.7	47
347	A Facile Synthesis of Ferrocene Functionalized Graphene Oxide Nanocomposite for Electrochemical Sensing of Lead. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 1021-1028	3.2	15
346	Facile in-situ microwave irradiation synthesis of TiO ₂ /graphene nanocomposite for high-performance supercapacitor applications. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 808, 90-100	4.1	43
345	A facile synthesis of hybrid nanocomposites of reduced graphene oxide/ZnO and its surface modification characteristics for ozone sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3074-3086	2.1	13
344	Formation Of PbSe /ZnO Thin Film Based Heterostructure For Solar Cell Applications. <i>Materials Today: Proceedings</i> , 2018 , 5, 14468-14472	1.4	2
343	Superior Photocatalytic Performance of CeO ₂ Nanoparticles and Reduced Graphene Oxide Nanocomposite Prepared by Low Cost Co-Precipitation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3257-3265	1.3	3
342	Synthesis and characterization of binary transition metal oxide/reduced graphene oxide nanocomposites and its enhanced electrochemical properties for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11738-11748	2.1	20
341	Facile synthesis of RuO ₂ nanoparticles anchored on graphene nanosheets for high performance composite electrode for supercapacitor applications. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 121, 339-349	3.9	49
340	Enhanced photocatalytic activity of CeO ₂ @MoO ₃ heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 13692-13702	2.1	13
339	Microwave-assisted synthesis of Ru and Ce doped tungsten oxide for supercapacitor electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 13794-13802	2.1	8
338	Electrochemical Supercapacitance Properties of Reduced Graphene Oxide/Mn ₂ O ₃ :Co ₃ O ₄ Nanocomposite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 576-585	3.2	21
337	Simplified detection of the hybridized DNA using a graphene field effect transistor. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 43-50	7.1	18
336	Wear resistant super-hard multilayer transition metal-nitride coatings. <i>Surfaces and Interfaces</i> , 2017 , 7, 74-82	4.1	36
335	Influence of calcium hexaboride reinforced magnesium composite for the mechanical and tribological behaviour. <i>Tribology International</i> , 2017 , 111, 18-25	4.9	32
334	Zinc Oxide Nanoparticles Synthesis, Characterization and Antibacterial Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 5209-5216	1.3	5
333	Facile Preparation of LaFeO ₃ /rGO Nanocomposites with Enhanced Visible Light Photocatalytic Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017 , 27, 892-900	3.2	16
332	Fabrication of Hybrid Collagen Aerogels Reinforced with Wheat Grass Bioactives as Instructive Scaffolds for Collagen Turnover and Angiogenesis for Wound Healing Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16939-16950	9.5	47

331	Tribo-mechanical properties of reactive magnetron sputtered transition metal carbide coatings. <i>Tribology International</i> , 2017 , 114, 234-244	4.9	23
330	Synthesis And Characterization Of Graphene-Zinc Oxide Nanocomposite Electrode Material For Supercapacitor Applications. <i>Materials Today: Proceedings</i> , 2017 , 4, 645-652	1.4	16
329	The Fabrication of Natural Dye Sensitized Solar Cell (Dssc) based on TiO ₂ Using Henna And Beetroot Dye Extracts. <i>Materials Today: Proceedings</i> , 2017 , 4, 668-676	1.4	35
328	Cobalt Oxide/Reduced Graphene Oxide Composite with Enhanced Electrochemical Supercapacitance Performance. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 955-962	5.1	67
327	Synthesis and Property Studies of Molybdenum Disulfide Modified Reduced Graphene Oxide (MoS ₂ -rGO) Nanocomposites for Supercapacitor Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 5469-5474	1.3	15
326	Silver nanoparticles for melamine detection in milk based on transmitted light intensity. <i>IET Science, Measurement and Technology</i> , 2017 , 11, 171-178	1.5	11
325	Double hydroxide mediated synthesis of nanostructured ZnCo ₂ O ₄ as high performance electrode material for supercapacitor applications. <i>Chemical Engineering Journal</i> , 2017 , 321, 474-483	14.7	68
324	Study on the effect of annealing temperature and photocatalytic properties of TbMnO ₃ nanoparticles. <i>Optik</i> , 2017 , 138, 365-371	2.5	8
323	Reduced graphene oxide paper as bimorphic electrical actuators. <i>Materials Letters</i> , 2017 , 191, 182-185	3.3	14
322	Synthesis and application of graphene-MoO ₃ nanocomposite for improving visible light irradiated photocatalytic decolorization of methylene blue dye. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 80, 276-285	5.3	11
321	Freestanding flexible nitrogen doped-reduced graphene oxide film as an efficient electrode material for solid-state supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017 , 723, 995-1000	5.7	31
320	The effect of rare earth ions on structural, morphological and thermoelectric properties of nanostructured tin oxide based perovskite materials. <i>Materials Research Express</i> , 2017 , 4, 115024	1.7	1
319	Performance improvement of metal oxide arrester for VFTs. <i>IET Science, Measurement and Technology</i> , 2017 , 11, 438-444	1.5	6
318	Hexagonal-like NiCo ₂ O ₄ nanostructure based high-performance supercapacitor electrodes. <i>Ionics</i> , 2017 , 23, 977-984	2.7	29
317	Synthesis and characterization of LaFeO ₃ /TiO ₂ nanocomposites for visible light photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 101, 25-33	3.9	63
316	Development of metal oxide arrester block using a rare earth element for very fast transient overvoltage applications. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017 , 25, 4893-4900	0.9	3
315	Band alignment and depletion zone at ZnO/CdS and ZnO/CdSe hetero-structures for temperature independent ammonia vapor sensing. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32057-32071	3.6	15
314	Synthesis, optical, photocatalytic, and electrochemical studies on Ag ₂ S/ZnS and ZnS/Ag ₂ S nanocomposites. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 503-510	3.3	25

313	A study on the synthesis and characterization of CoMn ₂ O ₄ electrode material for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 4653-4658	2.1	39
312	Synthesis, growth, structural, optical, thermal and mechanical properties of an organic Urea maleic acid single crystals for nonlinear optical applications. <i>Optics and Laser Technology</i> , 2016 , 81, 145-152	4.2	19
311	Facile hydrothermal preparation of niobium pentaoxide decorated reduced graphene oxide nanocomposites for supercapacitor applications. <i>Chemical Physics Letters</i> , 2016 , 650, 35-40	2.5	16
310	A Novel Nano-finish Formulations for Enhancing Performance Properties in Leather Finishing Applications. <i>Journal of Cluster Science</i> , 2016 , 27, 1263-1272	3	6
309	Facile synthesise of free standing highly conducting flexible reduced graphene oxide paper. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 6232-6241	2.1	21
308	In Situ Hydrothermal Synthesis of Graphene-CuO Nanocomposites for Lithium Battery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 317-20	1.3	6
307	Graphene decorated with MoS ₂ nanosheets: a synergetic energy storage composite electrode for supercapacitor applications. <i>Dalton Transactions</i> , 2016 , 45, 2637-46	4.3	157
306	Influence of Fe-Doping on the Structural, Morphological, Optical, Magnetic and Antibacterial Effect of ZnO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 1567-77	1.3	10
305	Structural, optical and thermal properties of CdS/Bi ₂ S ₃ nanocomposites. <i>Indian Journal of Physics</i> , 2016 , 90, 173-178	1.4	5
304	PbO/CdO/ZnO and PbS/CdS/ZnS nanocomposites: Studies on optical, electrochemical and thermal properties. <i>Journal of Luminescence</i> , 2016 , 170, 78-89	3.8	22
303	Synthesis of nitrogen doped coiled double walled carbon nanotubes by chemical vapor deposition method for supercapacitor applications. <i>Current Applied Physics</i> , 2016 , 16, 816-825	2.6	28
302	Curcumin cross-linked collagen aerogels with controlled anti-proteolytic and pro-angiogenic efficacy. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 045011	3.5	26
301	Optical Characterization and Electrochemical Properties of Cd(1-x)Cu(x)S/rGO Composites Synthesized Through Reflux Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9716-9721	1.3	4
300	In-situ microwave synthesis of graphene-TiO ₂ nanocomposites with enhanced photocatalytic properties for the degradation of organic pollutants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 163, 216-23	6.7	43
299	Synthesis and characterization of boron doped graphene nanosheets for supercapacitor applications. <i>Synthetic Metals</i> , 2016 , 220, 524-532	3.6	123
298	Synthesis and characterization of Y ₂ O ₃ -reduced graphene oxide nanocomposites for photocatalytic applications. <i>Materials Research Express</i> , 2016 , 3, 075502	1.7	10
297	CdSe and CdSe/ZnS quantum dots for the detection of C-reactive protein. <i>Journal of Experimental Nanoscience</i> , 2015 , 10, 787-802	1.9	17
296	Enhanced Photocatalytic Performance of the Graphene-V ₂ O ₅ Nanocomposite in the Degradation of Methylene Blue Dye under Direct Sunlight. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14905-11	9.5	154

295	Substrate effect on wear resistant transition metal nitride hard coatings: Microstructure and tribo-mechanical properties. <i>Ceramics International</i> , 2015 , 41, 9849-9861	5.1	25
294	Facile synthesis of graphene-CeO ₂ nanocomposites with enhanced electrochemical properties for supercapacitors. <i>Dalton Transactions</i> , 2015 , 44, 9901-8	4.3	71
293	Narrow with tunable optical band gap of CdS based core shell nanoparticles: Applications in pollutant degradation and solar cells. <i>Journal of Luminescence</i> , 2015 , 165, 30-39	3.8	29
292	Micro-tribo-mechanical properties of nanocrystalline TiN thin films for small scale device applications. <i>Tribology International</i> , 2015 , 88, 25-30	4.9	23
291	Studies on visible light photocatalytic and antibacterial activities of nanostructured cobalt doped ZnO thin films prepared by sol-gel spin coating method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 148, 237-43	4.4	108
290	Structural and optical properties of highly crystalline Ce, Eu and co-doped ZnO nanorods. <i>Superlattices and Microstructures</i> , 2015 , 82, 538-550	2.8	20
289	Reactive magnetron sputtered wear resistant multilayer transition metal carbide coatings: microstructure and tribo-mechanical properties. <i>RSC Advances</i> , 2015 , 5, 81790-81801	3.7	13
288	Structural, optical and photovoltaic properties of co-doped CdTe QDs for quantum dots sensitized solar cells. <i>Superlattices and Microstructures</i> , 2015 , 88, 634-644	2.8	29
287	Synthesize of Graphene-Tin Oxide Nanocomposite and Its Photocatalytic Properties for the Degradation of Organic Pollutants Under Visible Light. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 7195-201	1.3	21
286	High performance electrochemical capacitor based on MnCo ₂ O ₄ nanostructured electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 756, 94-100	4.1	65
285	Enhanced third-order nonlinear optical properties of high purity ZnS nanoparticles. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2015 , 24, 1550016	0.8	13
284	Photocatalytic properties of Graphene-SnO ₂ -PMMA nanocomposite in the degradation of methylene blue dye under direct sunlight irradiation. <i>Materials Express</i> , 2015 , 5, 319-326	1.3	17
283	Investigation on synthesis, structure, morphology, spectroscopic and electrochemical studies of praseodymium-doped ceria nanoparticles by combustion method. <i>Materials Chemistry and Physics</i> , 2015 , 151, 22-28	4.4	17
282	Pt-free solar driven photoelectrochemical hydrogen fuel generation using 1T MoS ₂ co-catalyst assembled CdS QDs/TiO ₂ photoelectrode. <i>Chemical Communications</i> , 2015 , 51, 522-5	5.8	54
281	Novel synthesis of Ni-ferrite (NiFe ₂ O ₄) electrode material for supercapacitor applications 2015 ,		17
280	Large single crystal growth, transport property, and spectroscopic characterizations of three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>Scientific Reports</i> , 2015 , 5, 12966	4.9	27
279	PVP capped CdS nanoparticles for UV-LED applications 2015 ,		1
278	Enriched adhesion of talc/ZnO nanocomposites on cotton fabric assisted by aloe-vera for bio-medical application 2015 ,		1

277	Photoscopic characterization of green synthesized silver nanoparticles from <i>Trichosanthes tricuspidata</i> and its antibacterial potential. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 149, 300-7	6.7	13
276	Single pot electrochemical synthesis of functionalized and phosphorus doped graphene nanosheets for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 6319-6328	2.1	33
275	Reactive magnetron sputtering of Ni doped ZnO thin film: Investigation of optical, structural, mechanical and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015 , 636, 85-92	5.7	34
274	Synthesis, Optical and Electrochemical Properties of Y2O3 Nanoparticles Prepared by Co-Precipitation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 4353-7	1.3	12
273	Structural, optical and visible light photocatalytic properties of nanocrystalline Nd doped ZnO thin films prepared by spin coating method. <i>Ceramics International</i> , 2015 , 41, 4169-4175	5.1	45
272	Luminescence and electrochemical properties of rare earth (Gd, Nd) doped V2O5 nanostructures synthesized by a non-aqueous sol-gel route. <i>RSC Advances</i> , 2015 , 5, 21778-21785	3.7	40
271	Quantum confined CdS inclusion in graphene oxide for improved electrical conductivity and facile charge transfer in hetero-junction solar cell. <i>RSC Advances</i> , 2015 , 5, 16856-16869	3.7	50
270	Composite Nanoarchitectonics for Ternary Systems of Reduced Graphene Oxide/Carbon Nanotubes/Nickel Oxide with Enhanced Electrochemical Capacitor Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015 , 25, 267-274	3.2	63
269	Formation and characterisation of CeO2 and Gd:CeO2 nanowires/rods for fuel cell applications. <i>Journal of Experimental Nanoscience</i> , 2015 , 10, 520-531	1.9	7
268	Synthesis and characterization of C14TAB passivated cerium oxide nanoparticles prepared by co-precipitation route. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 58, 48-51	3	20
267	Structural and magnetic property studies on low temperature chemically synthesised one-dimensional Zn _{1-x} Ni _x O nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 1369-1375	2.1	2
266	Role of dopant induced defects on the properties of Nd and Cr doped PZNT single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014 , 185, 60-66	3.1	9
265	Investigations on the growth aspects and characterization of semiorganic nonlinear optical single crystals of L-histidine and its hydrochloride derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 508-13	4.4	11
264	In situ synthesis of CdTe: CdS quantum dot nanocomposites for photovoltaic applications. <i>Materials Science in Semiconductor Processing</i> , 2014 , 25, 238-243	4.3	14
263	Synthesis, structural and property studies of Ni doped cadmium sulphide quantum dots stabilized in DETA matrix. <i>Journal of Alloys and Compounds</i> , 2014 , 593, 213-219	5.7	14
262	Growth and characterization of potassium halides mixed L-arginine phosphate monohydrate semi organic nonlinear optical single crystals. <i>Optik</i> , 2014 , 125, 8-10	2.5	5
261	Synthesis, structural and optical properties of Sm ³⁺ and Nd ³⁺ doped cadmium sulfide nanocrystals. <i>Materials Research Bulletin</i> , 2014 , 52, 128-133	5.1	22
260	Synthesis of graphene oxide/vanadium pentoxide composite nanofibers by electrospinning for supercapacitor applications. <i>Solid State Ionics</i> , 2014 , 268, 321-325	3.3	48

259	Facile hydrothermal synthesis and characterization of LaFeO ₃ nanospheres for visible light photocatalytic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 3953-3961	2.1	35
258	Crystal growth and magnetic ordering of Na ₂ Ni ₂ TeO ₆ with honeycomb layers and Na ₂ Cu ₂ TeO ₆ with Cu spin dimers. <i>CrystEngComm</i> , 2014 , 16, 10791-10796	3.3	21
257	Systematic investigation of structural and morphological studies on doped TiO ₂ nanoparticles for solar cell applications. <i>Superlattices and Microstructures</i> , 2014 , 76, 349-361	2.8	17
256	Room temperature agglomeration for the growth of BiTeI single crystals with a giant Rashba effect. <i>CrystEngComm</i> , 2014 , 16, 8678-8683	3.3	5
255	Influence of Sm doping on the microstructural properties of CdS nanocrystals. <i>Powder Technology</i> , 2014 , 266, 407-411	5.2	21
254	Dimensionally integrated nanoarchitectonics for a novel composite from 0D, 1D, and 2D nanomaterials: RGO/CNT/CeO ₂ ternary nanocomposites with electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18480-18487	13	97
253	Electrochemical and structural analysis of the RE ³⁺ :CeO ₂ nanopowders from combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2014 , 614, 118-125	5.7	26
252	Preferentially oriented single crystal growth of brownmillerite CaFeO _{2.5} by flux growth technique. <i>Materials Letters</i> , 2014 , 131, 332-335	3.3	5
251	Synthesis, annealing effect and magnetic behavior of TbMnO ₃ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	8
250	Influence of S doping on structural, optical and visible light photocatalytic activity of ZnO thin films. <i>Ceramics International</i> , 2014 , 40, 14733-14740	5.1	31
249	Synthesis, morphology and optical properties of LaFeO ₃ nanospheres 2014 ,		2
248	Microstructure characteristics of copper single layer and copper/titanium multilayer coatings: Nanomechanical properties and bactericidal activities. <i>Materials Express</i> , 2014 , 4, 453-464	1.3	6
247	Phase transformation in relaxor-ferroelectric single crystal [Pb(Sc _{1/2} Nb _{1/2})O ₃] _{0.58} -[PbTiO ₃] _{0.42} . <i>Journal of Materials Research</i> , 2014 , 29, 1054-1061	2.5	5
246	Dual emissive Sn(1-x)Cu _x O ₂ nanostructures A correlation study of doping concentration on structural, optical and electrical properties. <i>Superlattices and Microstructures</i> , 2014 , 68, 66-75	2.8	1
245	Structural, morphological and optical properties of solvothermally synthesized Pr(OH) ₃ nanoparticles and calcined Pr ₆ O ₁₁ nanorods. <i>Materials Research Bulletin</i> , 2014 , 50, 417-420	5.1	17
244	Low-temperature synthesis of hexamethylenetetramine-stabilised ZnS nanoparticles and its photocatalytic properties. <i>Journal of Experimental Nanoscience</i> , 2014 , 9, 261-271	1.9	18
243	Growth, spectral, optical, and dielectric studies on novel semiorganic NLO single crystal: d-phenylglycine hydrochloride. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 115, 215-224	1.9	0
242	Effect of microwave sintering on the structural, optical and electrical properties of BaTiO ₃ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 529-537	2.1	5

241	C14TAB-assisted CeO ₂ mesocrystals: self-assembly mechanism and its characterization. <i>Applied Nanoscience (Switzerland)</i> , 2013 , 3, 263-269	3.3	8
240	Study on thermal properties of organic ester phase-change material embedded with silver nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 845-858	4.1	96
239	Growing of fixed orientation plane of single crystal using the flux growth technique and ferrimagnetic ordering in Ni ₃ TeO ₆ of stacked 2D honeycomb rings. <i>Dalton Transactions</i> , 2013 , 42, 10439-443	4.3	8
238	A structural property study on the role of Sm ions in nano-textured Zn(1-x)Sm _x O thin films for green emission. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 2796-2802	2.1	4
237	Studies of structural, third order nonlinear optical and laser damage threshold properties of diethylammonium p-hydroxybenzoate single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 711-717	2.6	10
236	Synthesis and enhanced electrochemical properties of Sm:CeO ₂ nanostructure by hydrothermal route. <i>Materials Letters</i> , 2013 , 113, 170-173	3.3	15
235	Effect of microwave sintering on the structural and densification behavior of sol-gel derived zirconia toughened alumina (ZTA) nanocomposites. <i>Ceramics International</i> , 2013 , 39, 3195-3204	5.1	17
234	Low temperature hydrothermal synthesis and magnetic studies of YMnO ₃ nanorods. <i>Materials Letters</i> , 2013 , 113, 210-213	3.3	19
233	Growth, optical, thermal and dielectric studies of a highly polarisable semi organic NLO crystal: Bis d-phenyl glycinium sulphate monohydrate. <i>Materials Chemistry and Physics</i> , 2013 , 142, 659-666	4.4	18
232	Antibacterial efficacy of zinc oxide (ZnO) nanoparticles on <i>Vibrio anguillarum</i> 2013 ,		2
231	Structural, morphological and optical properties of highly monodispersed PEG capped V ₂ O ₅ nanoparticles synthesized through a non-aqueous route. <i>Materials Letters</i> , 2013 , 91, 228-231	3.3	23
230	Crystal structure, dielectric properties of (K _{0.5} Na _{0.5})NbO ₃ single crystal grown by flux method using B ₂ O ₃ flux. <i>Crystal Research and Technology</i> , 2013 , 48, 22-28	1.3	15
229	Growth, structural, optical and laser damage threshold studies of organic picolinium picrate monohydrate single crystals. <i>Optik</i> , 2013 , 124, 5792-5796	2.5	4
228	Structural and electrical property studies on polypyrrole based organic/inorganic nanocomposites for photodiode related applications. <i>Sensors and Actuators A: Physical</i> , 2013 , 199, 283-288	3.9	4
227	Spectroscopic study of Zn _{1-x} CoxO thin films showing intrinsic ferromagnetism. <i>Materials Chemistry and Physics</i> , 2013 , 140, 130-134	4.4	12
226	Synthesis and electrochemical properties of reduced graphene oxide via chemical reduction using thiourea as a reducing agent. <i>Materials Letters</i> , 2013 , 113, 5-8	3.3	69
225	Green synthesis of silver nanoparticles using <i>Beta vulgaris</i> : Role of process conditions on size distribution and surface structure. <i>Materials Chemistry and Physics</i> , 2013 , 140, 135-147	4.4	43
224	Suppression of defect level emissions in low temperature fabricated one-dimensional Mn doped ZnO nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 2989-2994	2.1	4

223	Thiourea assisted one-pot easy synthesis of CdS/rGO composite by the wet chemical method: Structural, optical, and photocatalytic properties. <i>Ceramics International</i> , 2013 , 39, 9207-9214	5.1	57
222	Tribological and electrical properties of nanocrystalline Cu films deposited by DC magnetron sputtering with varying temperature. <i>Tribology International</i> , 2013 , 58, 79-84	4.9	6
221	Effect of Ta doped on microstructure of sodium potassium niobate single crystal grown by flux method 2013 ,		2
220	Structural, morphological and electrical studies of lithium ion irradiated sodium potassium niobate single crystal grown by flux method 2013 ,		1
219	Synthesis and luminescence enhancement of Cerium doped CdS nanoparticles. <i>Materials Letters</i> , 2012 , 66, 343-345	3.3	34
218	Synthesis, structural, optical and thermal studies of an organic nonlinear optical 4-aminopyridinium maleate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 88, 77-81	4.4	29
217	Wet chemical synthesis and characterization of pure and cerium doped Dy ₂ O ₃ nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 1164-1169	3.9	25
216	Crystal growth and characterization of l-histidine hydrochloride monohydrate semiorganic nonlinear optical single crystals. <i>Optical Materials</i> , 2012 , 34, 1225-1230	3.3	26
215	Fabrication of Gd ₂ O ₃ nanofibers by electrospinning technique using PVA as a structure directing template. <i>Applied Surface Science</i> , 2012 , 261, 770-773	6.7	11
214	Crystal growth, structural and photoluminescence studies of L-tyrosine hydrobromide semi organic single crystal. <i>Journal of Physics and Chemistry of Solids</i> , 2012 , 73, 1296-1301	3.9	15
213	Effect of Iodic Acid Dopant on the Growth and Structural, Optical, and Electrical Properties of L-Arginine Phosphate Single Crystals. <i>Materials and Manufacturing Processes</i> , 2012 , 27, 49-52	4.1	22
212	Synthesis and photoluminescence properties of HMT passivated Dy ₂ O ₃ nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1315-1319	3	12
211	Studies on synthesis, growth, structural, thermal, linear and nonlinear optical properties of organic picolinium maleate single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 98, 7-13	4.4	12
210	Hydrothermal Synthesis and Magnetic Property Studies of Multiferroic YMnO ₃ Nanorods. <i>Advanced Materials Research</i> , 2012 , 584, 253-257	0.5	2
209	Crystal growth of PZN-PT single crystals and critical issues for higher piezoelectric coefficient. <i>Crystal Research and Technology</i> , 2012 , 47, 523-529	1.3	8
208	Synthesis, growth and characterization of L-proline dimercuricchloride single crystals for frequency conversion applications. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 93-100	2.6	32
207	The Improved Behavior of Gd Substituted BaCeYO ₃ Nanocomposites for IT-SOFC Electrolytes. <i>Advanced Materials Research</i> , 2012 , 584, 308-312	0.5	
206	Effect of Microwave Sintering on the Structural and Electrochemical Behavior of Yttria Substituted BaCeO ₃ Nanocomposites for Solid Oxide Fuel Cell (SOFC) Applications. <i>Advanced Materials Research</i> , 2012 , 584, 303-307	0.5	

205	Room Temperature Synthesis and Properties of Pure and Gadolinium Doped Dy ₂ O ₃ Nanoparticles. <i>Advanced Materials Research</i> , 2012 , 584, 285-289	0.5	3
204	Growth, Optical, Dielectric and Hardness Studies of an Organic Nonlinear Optical Picolinium Maleate Single Crystal. <i>Advanced Materials Research</i> , 2012 , 584, 24-28	0.5	1
203	Investigation of the Dielectric Properties of Antimony Doped Potassium Sodium Niobate Single Crystal (K _{0.5} Na _{0.5}) NbO ₃ Grown by Flux Method. <i>Advanced Materials Research</i> , 2012 , 622-623, 224-228	0.5	
202	Fabrication of Highly Fluorescent Cadmium Based Aqueous Phase Colloidal Quantum Dots for Solar Cell Applications. <i>Advanced Materials Research</i> , 2012 , 584, 313-318	0.5	2
201	Mesoporous carbon encapsulated with SrO nanoparticles for the transesterification of ethyl acetoacetate. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 8467-74	1.3	2
200	Highly basic CaO nanoparticles in mesoporous carbon materials and their excellent catalytic activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 4613-20	1.3	3
199	Synthesis and morphological control of europium doped cadmium sulphide nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7783-8	1.3	8
198	Fabrication and interfacial electronic structure studies on polypyrrole/TiO ₂ nano hybrid systems for photovoltaic aspects. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3867-74	1.3	4
197	Synthesis, Structural and Optical Properties of PVP Encapsulated CdS Nanoparticles. <i>Nanomaterials and Nanotechnology</i> , 2011 , 1, 17	2.9	60
196	Crystal growth, structural and thermal studies of amino acids admixed l-arginine phosphate monohydrate single crystals. <i>Solid State Sciences</i> , 2011 , 13, 915-922	3.4	9
195	Synthesis of cobalt-doped cadmium sulphide nanocrystals and their optical and magnetic properties. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1621-1628	2.3	52
194	Crystal growth and characterization of semiorganic single crystals of l-histidine family for NLO applications. <i>Journal of Crystal Growth</i> , 2011 , 322, 69-73	1.6	24
193	CONTROLLED SYNTHESIS AND CHARACTERIZATION OF CERIUM-DOPED ZnS NANOPARTICLES IN HMTA MATRIX. <i>International Journal of Nanoscience</i> , 2011 , 10, 487-493	0.6	11
192	SYNTHESIS AND CHARACTERIZATION OF HEXAMETHYLENE TETRAMINE (HMTA) CAPPED CdS NANOPARTICLES BY HYDROTHERMAL METHOD. <i>International Journal of Nanoscience</i> , 2011 , 10, 441-445	0.6	6
191	Determination of Metastable Zone Width, Induction Period and Interfacial Energy of a Ferroelectric Crystal - Potassium Ferrocyanide Trihydrate (KFCT). <i>E-Journal of Chemistry</i> , 2010 , 7, 137-142		4
190	Synthesis and Optical Properties of Eu ³⁺ Doped CdS Nanostructures 2010 ,		3
189	Thermal stability and optical properties of HMTA capped zinc sulfide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 665-668	5.7	20
188	Effect of rare-earth dopants on the growth and structural, optical, electrical and mechanical properties of l-arginine phosphate single crystals. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 784-787	5.7	30

187	2010,		3
186	Magnetic and optical property studies on controlled low-temperature fabricated one-dimensional Cr doped ZnO nanorods. <i>CrystEngComm</i> , 2010 , 12, 1887	3.3	33
185	Fabrication of polypyrrole/ZnCoO nanohybrid systems for solar cell applications. <i>Dalton Transactions</i> , 2010 , 39, 8325-30	4.3	19
184	Electronic structure of Cu-doped ZnO thin films by x-ray absorption, magnetic circular dichroism, and resonant inelastic x-ray scattering. <i>Journal of Applied Physics</i> , 2010 , 107, 103915	2.5	51
183	Intrinsic ferromagnetism and magnetic anisotropy in Gd-doped ZnO thin films synthesized by pulsed spray pyrolysis method. <i>Journal of Applied Physics</i> , 2010 , 108, 053904	2.5	81
182	Ultrafast microwave assisted synthesis of mesoporous SnO ₂ and its characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8362-6	1.3	4
181	High temperature microwave-assisted synthesis and the physico-chemical characterisation of mesoporous crystalline titania. <i>International Journal of Nanotechnology</i> , 2010 , 7, 1065	1.5	4
180	Structural and optical properties of Dy doped ZnO thin films prepared by pyrolysis technique. <i>International Journal of Nanotechnology</i> , 2010 , 7, 1087	1.5	5
179	Studies on the structural, optical, dielectric and mechanical properties of non-linear optical manganese mercury Tetrathiocyanate glycol mono methyl ether (MMTG) single crystal. <i>Current Applied Physics</i> , 2010 , 10, 1261-1266	2.6	19
178	A study on structural and optical properties of Mn- and Co-doped SnO ₂ nanocrystallites. <i>Materials Chemistry and Physics</i> , 2010 , 124, 1046-1050	4.4	38
177	Crystal growth and characterization of l-tyrosine bromide (LTB) nonlinear optical single crystals. <i>Journal of Crystal Growth</i> , 2010 , 312, 837-841	1.6	15
176	Synthesis, growth and characterization of organic nonlinear optical bis-glycine maleate (BGM) single crystals. <i>Journal of Crystal Growth</i> , 2010 , 312, 1855-1859	1.6	31
175	Crystal growth, structural and optical characterization of a semi-organic single crystal for frequency conversion applications. <i>Physica B: Condensed Matter</i> , 2010 , 405, 4951-4956	2.8	17
174	Effect of Pr doping on the structural and optical properties of ZnO nanorods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 175, 238-242	3.1	30
173	Studies on the growth, structural, optical, thermal and electrical properties of nonlinear optical cadmium mercury thiocyanate glycol monomethyl ether single crystal. <i>Current Applied Physics</i> , 2010 , 10, 479-483	2.6	14
172	Nucleation Kinetics, Growth and Characterization Studies of a Diamagnetic Crystal-Zinc Sulphate Heptahydrate (ZSHH). <i>E-Journal of Chemistry</i> , 2009 , 6, 871-879		5
171	90MeV 16O heavy-ion irradiation effects on La _{0.9} Pb _{0.1} MnO ₃ single crystals. <i>Materials Chemistry and Physics</i> , 2009 , 117, 113-116	4.4	8
170	Growth and characterization of new semiorganic nonlinear optical single crystal L-Phenylalanine L-Phenylalaninium perchlorate (LPPAPC). <i>Materials Letters</i> , 2009 , 63, 363-365	3.3	15

169	Electron spin resonance and AC susceptibility studies on La _{0.9} Pb _{0.1} MnO ₃ single crystals. <i>Materials Letters</i> , 2009 , 63, 1528-1530	3.3	3
168	Synthesis and growth of sodium bitartrate monohydrate a new organometallic nonlinear optical single crystal. <i>Current Applied Physics</i> , 2009 , 9, 1125-1128	2.6	7
167	Physical properties and characterization of RuSr ₂ GdCu ₂ O ₈ (Ru-1212) grown by top seeded melt textured technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 163, 165-169	3.1	1
166	Growth and characterization of biadmixture TGS single crystals. <i>Journal of Crystal Growth</i> , 2009 , 311, 1147-1151	1.6	10
165	Synthesis, growth and characterization of nonlinear optical diaqua (thiocyanato) manganese mercury-N, N-dimethylacetamide single crystals. <i>Journal of Crystal Growth</i> , 2009 , 311, 1346-1351	1.6	9
164	Growth of cadmium mercury thiocyanate single crystals using acetone/water mixed solvent and their characterization studies. <i>Journal of Crystal Growth</i> , 2009 , 311, 3174-3178	1.6	10
163	Synthesis, growth and characterization of semi-organic nonlinear optical bis thiourea antimony tri bromide (BTAB) single crystals. <i>Journal of Crystal Growth</i> , 2009 , 312, 114-119	1.6	25
162	Formation of zinc sulfide nanoparticles in HMTA matrix. <i>Applied Surface Science</i> , 2009 , 255, 8879-8882	6.7	32
161	Band Gap Variation of Mn Doped ZnO Films Prepared by Spray Pyrolysis Technique. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 06FF07	1.4	3
160	Investigations on the structural, optical and electronic properties of Nd doped ZnO thin films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 105410	3	55
159	Electronic Structure of Co-doped ZnO Thin Films by X-ray Absorption and Emission Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 167-172	0.6	12
158	X-ray Absorption and Emission Studies of Mn-doped ZnO Thin Films. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 177-182	0.6	10
157	Structural, thermal, mechanical and optical properties of l-arginine diiodate crystal: A new nonlinear optical material. <i>Materials Chemistry and Physics</i> , 2008 , 107, 51-56	4.4	13
156	Growth and characterization of semiorganic nonlinear optical rubidium bis-dl-malato borate single crystals. <i>Materials Chemistry and Physics</i> , 2008 , 107, 57-60	4.4	20
155	Growth and characterization studies of ferroelectric diglycine nitrate (DGN) single crystals. <i>Materials Chemistry and Physics</i> , 2008 , 108, 170-175	4.4	12
154	Growth and characterization of tetra l-lysine alanine mono hydrochloride dihydrate (TLAMHCl), a new semiorganic nonlinear optical single crystal. <i>Materials Chemistry and Physics</i> , 2008 , 109, 119-124	4.4	32
153	Effect of amino acid doping on the growth and ferroelectric properties of triglycine sulphate single crystals. <i>Materials Research Bulletin</i> , 2008 , 43, 305-311	5.1	9
152	Crystal growth, thermal and optical studies of semiorganic nonlinear optical material: l-lysine hydrochloride dihydrate. <i>Materials Research Bulletin</i> , 2008 , 43, 1829-1835	5.1	28

151	Growth and dielectric, mechanical, thermal and etching studies of an organic nonlinear optical l-arginine trifluoroacetate (LATF) single crystal. <i>Materials Research Bulletin</i> , 2008 , 43, 2018-2025	5.1	10
150	Synthesis, growth, and characterization of nonlinear optical material l-arginine iodate crystal. <i>Materials Letters</i> , 2008 , 62, 133-136	3.3	7
149	Growth and characterization of nonlinear optical l-arginine maleate dihydrate single crystals. <i>Materials Letters</i> , 2008 , 62, 755-758	3.3	21
148	Physical properties of zinc doped tin oxide films prepared by spray pyrolysis technique. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 035505	3	42
147	Investigations on Scattering Centers in CsB3O5 Crystals. <i>Crystal Growth and Design</i> , 2008 , 8, 3713-3716	3.5	9
146	Redetermination of poly[κ -chlorido-hepta-chlorido- β -l-proline-(2)-l-proline-tetra-mercury(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m1048-9		5
145	Raman Spectroscopy of Polar Nano-regions in $[\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3]_{0.58}[\text{PbTiO}_3]_{0.42}$ Single Crystal. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 6410-6412	1.4	2
144	Nucleation kinetics and growth aspects of organic nonlinear optical L-arginine trifluoroacetate single crystals. <i>Crystal Research and Technology</i> , 2008 , 43, 417-422	1.3	3
143	Growth, optical and thermal studies of nonlinear optical L-arginine perchlorate single crystals. <i>Crystal Research and Technology</i> , 2008 , 43, 645-650	1.3	12
142	Single crystal growth and properties of semiorganic nonlinear optical L-arginine hydrochloride monohydrate crystals. <i>Crystal Research and Technology</i> , 2008 , 43, 851-856	1.3	33
141	Nucleation kinetics and growth of nonlinear optical bis (dimethyl sulfoxide) manganese mercury thiocyanate single crystals. <i>Crystal Research and Technology</i> , 2008 , 43, 1083-1086	1.3	2
140	Removal of scattering centers in CBO crystals by the vapor transport equilibration process. <i>Journal of Crystal Growth</i> , 2008 , 310, 1950-1953	1.6	6
139	Growth and morphological aspects of $\text{Pb}[(\text{Sc}_{1/2}\text{Nb}_{1/2})_{0.58}\text{Ti}_{0.42}]\text{O}_3$ single crystals by slow-cooling technique. <i>Journal of Crystal Growth</i> , 2008 , 310, 1093-1098	1.6	9
138	Growth and characterization of nonlinear optical bis-(dimethylsulfoxide) cadmium mercury thiocyanate single crystal. <i>Journal of Crystal Growth</i> , 2008 , 310, 4570-4575	1.6	6
137	Investigation on synthesis, growth, structural, optical, thermal and dielectric properties of organometallic non-linear optical tetrathiourea cadmium tetrathiocyanato zincate (TCTZ) single crystals. <i>Journal of Crystal Growth</i> , 2008 , 310, 4549-4553	1.6	11
136	Effect of cobalt doping on the structural and optical properties of TiO_2 films prepared by sol-gel process. <i>Thin Solid Films</i> , 2008 , 516, 3776-3782	2.2	116
135	UV laser-induced damage tolerance measurements of CsB3O5 crystals and its application for UV light generation. <i>Optical Materials</i> , 2008 , 31, 461-463	3.3	29
134	Characterization of cadmium doped zinc oxide (Cd : ZnO) thin films prepared by spray pyrolysis method. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 245403	3	79

133	Electronic Structure of Mn-Doped ZnO Studied by Using X-ray Absorption Spectroscopy. <i>Journal of the Korean Physical Society</i> , 2008 , 53, 2821-2825	0.6	8
132	Bulk Growth and Characterization of Semi-Organic Nonlinear Optical Bis Thiourea Bismuth Chloride Single Crystals. <i>Crystal Growth and Design</i> , 2007 , 7, 501-505	3.5	46
131	Growth and characterization of semiorganic nonlinear optical tetrakis thiourea nickel chloride single crystals. <i>Crystal Research and Technology</i> , 2007 , 42, 477-482	1.3	28
130	Influence of niobium doping on the electrical properties of 0.58Pb(Sc ₁ /2Nb ₁ /2)O ₃ 0.42PbTiO ₃ single crystal. <i>Solid State Communications</i> , 2007 , 143, 466-470	1.6	2
129	Effect of pH, thermal, electrical and thermomechanical properties of nonlinear optical L-threonine single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 68, 300-4	4.4	10
128	Growth and characterization of a new semiorganic non-linear optical thiosemicarbazide cadmium chloride monohydrate (Cd(NH ₂ NHCSNH ₂)Cl ₂ ·H ₂ O) single crystals. <i>Journal of Crystal Growth</i> , 2007 , 305, 156-161	1.6	46
127	Growth and characterization of bis-glycine sodium nitrate (BGSN), a novel semi-organic nonlinear optical crystal. <i>Journal of Crystal Growth</i> , 2007 , 309, 30-36	1.6	23
126	Crystal structure and vibrational analysis of novel nonlinear optical L-histidinium tetrafluoroborate (L-HFB) single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 558-568	1.3	7
125	X-ray absorption and magnetic circular dichroism characterizations of Mn doped ZnO. <i>Applied Physics Letters</i> , 2007 , 91, 162503	3.4	68
124	Synthesis and Growth of Triaquaglycinesulfatozinc(II), [Zn(SO ₄)(C ₂ H ₅ NO ₂)(H ₂ O) ₃], a New Semiorganic Nonlinear Optical Crystal. <i>Crystal Growth and Design</i> , 2007 , 7, 348-353	3.5	45
123	Preparation and characterization of ZnO nanofibers by electrospinning. <i>Crystal Research and Technology</i> , 2006 , 41, 446-449	1.3	52
122	Thermal and electrical properties of Tri Glycine Sulpho Phosphate (TGSP) and L-Asparagine doped TGSP crystals. <i>Crystal Research and Technology</i> , 2006 , 41, 712-717	1.3	5
121	Growth and characterization of tris allylthiourea mercuric chloride crystals. <i>Crystal Research and Technology</i> , 2006 , 41, 771-774	1.3	13
120	Growth and properties of ferroelectric potassium ferrocyanide trihydrate single crystals. <i>Crystal Research and Technology</i> , 2006 , 41, 853-858	1.3	8
119	Nucleation kinetics and growth aspects of semi organic non-linear optical bis thiourea cadmium acetate single crystals. <i>Crystal Research and Technology</i> , 2006 , 41, 919-924	1.3	23
118	Nucleation, growth and characterization studies of a nonlinear optical crystal [tris allylthiourea cadmium chloride (ATCC)]. <i>Laser Physics Letters</i> , 2006 , 3, 588-593	1.5	3
117	GROWTH AND CHARACTERIZATION OF A NEW SEMI-ORGANIC NON-LINEAR OPTICAL CRYSTAL L-ARGININE HYDROCHLOROFLUORIDE MONOHYDRATE (LAHClF). <i>Surface Review and Letters</i> , 2006 , 13, 803-808	1.1	5
116	Influence of Isoelectric pH on the Growth Linear and Nonlinear Optical and Dielectric Properties of l-Threonine Single Crystals. <i>Crystal Growth and Design</i> , 2006 , 6, 1308-1310	3.5	57

- 115 L-Histidinium trifluoroacetate. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o5-o7 3
- 114 L-Histidinium tetrafluoroborate. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o1178-o1180
- 113 L-Histidinium trichloroacetate. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o1704-o1706
- 112 Structural, spectral, linear and nonlinear optical properties of new nonlinear optical L-histidinium trichloroacetate crystals. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2006**, 65, 1021-4 4.4 6
- 111 Crystal structure of single crystals of nonlinear optical l-histidinium trichloroacetate. *Journal of Molecular Structure*, **2006**, 825, 158-164 3.4 21
- 110 Enhancement of polarization in bismuth titanate thin films co-modified by La and Nd for non-volatile memory applications. *Applied Physics A: Materials Science and Processing*, **2006**, 83, 123-126 2.6 8
- 109 Domain patterns on ferroelectric Rh:BaTiO₃ single crystals. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 120, 137-140 3.1 3
- 108 Growth of c-axis-oriented Bi₃.15Nd_{0.85}Ti₃O₁₂ thin films for ferroelectric memory applications. *Journal of Crystal Growth*, **2005**, 275, e965-e969 1.6 3
- 107 Studies on the growth aspects of semi-organic l-alanine acetate: a promising NLO crystal. *Journal of Crystal Growth*, **2005**, 275, e1935-e1939 1.6 113
- 106 Growth, structural and spectral analyses of nonlinear optical l-threonine single crystals. *Journal of Crystal Growth*, **2005**, 275, e1947-e1951 1.6 23
- 105 Metastable zone width, induction period and interfacial energy of bis thiourea zinc acetate (BTZA). *Journal of Crystal Growth*, **2005**, 276, 243-246 1.6 12
- 104 Growth and characterization of new nonlinear optical l-threonium acetate single crystals. *Journal of Crystal Growth*, **2005**, 283, 193-197 1.6 34
- 103 Domain structure studies on Pb(Zn_{1/3}Nb_{2/3})O₃PbTiO₃ mixed crystal system. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 120, 32-36 3.1 16
- 102 Anisotropic properties of self-flux grown LiB₃O₅ single crystals. *Solid State Communications*, **2005**, 136, 215-219 1.6 11
- 101 Structural, optical and dielectric studies on solution-grown semi-organic l-histidine tetrafluoroborate single crystal. *Materials Chemistry and Physics*, **2005**, 90, 144-147 4.4 18
- 100 Effect of SeS₂ treatment on the surface modification of GaAs and adhesive wafer bonding of GaAs with Silicon. *Journal of Crystal Growth*, **2004**, 263, 454-458 1.6 3
- 99 Thermal stability of sputtered zirconium oxide films. *Vacuum*, **2004**, 75, 7-16 3.7 24
- 98 Growth and characterization of selenium sulfide (SeS) and selenium tin sulfide (SeSnS₂) microcrystals. *Journal of Crystal Growth*, **2004**, 263, 498-503 1.6 4

97	Effect of rhodium doping on the growth and characteristics of BaTiO ₃ single crystals grown by step-cooling method. <i>Journal of Crystal Growth</i> , 2004 , 266, 481-486	1.6	6
96	Growth, structural, optical and thermal studies of non-linear optical l-threonine single crystals. <i>Journal of Crystal Growth</i> , 2004 , 267, 213-217	1.6	53
95	Growth and characterization of l-arginine fluoro phosphate new additive for fluent growth microbes. <i>Journal of Crystal Growth</i> , 2004 , 271, 252-256	1.6	2
94	Sol-gel synthesis and property studies of layered perovskite bismuth titanate thin films. <i>Materials Chemistry and Physics</i> , 2003 , 80, 23-28	4.4	28
93	Experimental determination of metastable zonewidth, induction period, interfacial energy and growth of non-linear optical l-HFB single crystals. <i>Materials Chemistry and Physics</i> , 2003 , 81, 50-55	4.4	18
92	Investigation on the nucleation kinetics of zinc thiourea chloride (ZTC) single crystals. <i>Materials Chemistry and Physics</i> , 2003 , 82, 273-280	4.4	39
91	Growth and characterization of L-arginine acetate single crystals: a new NLO material. <i>Journal of Crystal Growth</i> , 2003 , 259, 321-325	1.6	41
90	Synthesis, growth and characterization of nonlinear optical material: l-arginine fluoride. <i>Journal of Crystal Growth</i> , 2003 , 249, 316-320	1.6	24
89	Growth and characterization of 4-dimethylamino-N-methyl-4-stilbazolium tosylate (DAST) single crystals. <i>Journal of Crystal Growth</i> , 2003 , 250, 113-117	1.6	44
88	Growth aspects of semi-organic nonlinear optical l-arginine tetrafluoroborate single crystals. <i>Journal of Crystal Growth</i> , 2003 , 250, 157-161	1.6	16
87	Nucleation kinetics, growth and characterization of dLAP, dLAP:KF and dLAP:NaN ₃ crystals. <i>Journal of Crystal Growth</i> , 2003 , 250, 126-133	1.6	15
86	Effect of niobium substitution in stoichiometric lithium tantalate (SLT) single crystals. <i>Journal of Crystal Growth</i> , 2003 , 250, 146-151	1.6	6
85	Studies on the growth aspects of superconducting Eu _{1.5} Ce _{0.5} Sr ₂ Cu ₂ TiO ₁₀ (Ti-1222) single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 71-76	1.3	2
84	Growth and micromorphology of as-grown and etched bis(thiourea) cadmium chloride (BTCC) single crystals. <i>Optical Materials</i> , 2003 , 21, 599-604	3.3	24
83	Microwave absorption spectrum and reentrant phase in Bi ₂ 212 single crystal: microwave power dependence. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 687-688	1.3	2
82	Growth of Bi ₂ Sr ₂ Ca(Cu _{1-x} Mnx) ₂ O ₈ bulk textured crystals by IHFZ technique. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 463-467	1.3	4
81	Influence of pH on the growth and characteristics of nonlinear optical zinc thiourea chloride (ZTC) single crystals. <i>Journal of Crystal Growth</i> , 2003 , 252, 317-327	1.6	53
80	Effect of pH on the growth and characterization of l-HFB single crystal. <i>Journal of Crystal Growth</i> , 2003 , 254, 461-468	1.6	24

79	Growth and characterization of nonlinear optical crystal: L-histidinium bromide. <i>Journal of Crystal Growth</i> , 2003 , 255, 361-368	1.6	23
78	Investigations on the electrical and mechanical properties of triglycine sulphate single crystals modified with some rare earth metal ions. <i>Materials Letters</i> , 2003 , 57, 3291-3295	3.3	20
77	Thermal Stability of Lead Oxide Films Prepared by Reactive DC Magnetron Sputtering. <i>Physica Status Solidi A</i> , 2002 , 194, 192-205		13
76	Prevention of depoling in TGS by alanine substitution: an interpretation based on a neutron-diffraction study. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s1667-s1669	2.6	8
75	Substitutional effect of Mn on floating zone growth Bi-2212 bulk textured crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 383, 122-126	1.3	8
74	Growth of superconducting Bi ₂ Sr ₂ CaCu ₂ O _{8+x} whiskers by a modified annealing process. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 118-121	1.3	4
73	Effect of rare-earth dopants on the growth and properties of triglycine sulphate single crystals. <i>Journal of Crystal Growth</i> , 2002 , 234, 545-550	1.6	32
72	Structural, morphology and electrical studies on ferroelectric bismuth titanate thin films prepared by sol-gel technique. <i>Journal of Crystal Growth</i> , 2002 , 237-239, 468-472	1.6	21
71	Growth of Co-doped (Ba,Sr)TiO ₃ single crystals and their characterization. <i>Journal of Crystal Growth</i> , 2002 , 237-239, 858-863	1.6	2
70	Growth of bulk Pr _{2-x} Ce _x CuO _{4-y} single crystals by B ₂ O ₃ encapsulated flux technique. <i>Journal of Crystal Growth</i> , 2002 , 237-239, 792-795	1.6	3
69	On the capacitance-voltage characteristics of Al/BaTiO ₃ /GaN MFS structures. <i>Journal of Crystal Growth</i> , 2002 , 237-239, 1176-1179	1.6	6
68	Growth and characterization of non-linear optical L-alanine tetrafluoroborate (L-ALFB) single crystals. <i>Journal of Crystal Growth</i> , 2002 , 245, 121-125	1.6	56
67	Comparison between pure and deuterated potassium acid phthalate (DKAP) single crystals. <i>Journal of Crystal Growth</i> , 2002 , 245, 297-303	1.6	17
66	Temperature stability of sputtered niobium oxide films. <i>Journal of Applied Physics</i> , 2002 , 91, 4863-4871	2.5	75
65	Suppression of beam fanning in near-stoichiometric lithium niobate crystal by ultraviolet light irradiation. <i>Journal of Applied Physics</i> , 2002 , 92, 5578-5580	2.5	4
64	Growth and characterization of zirconium oxynitride films prepared by reactive direct current magnetron sputtering. <i>Journal of Applied Physics</i> , 2002 , 92, 2461-2466	2.5	48
63	Structural and optical properties of thin zirconium oxide films prepared by reactive direct current magnetron sputtering. <i>Journal of Applied Physics</i> , 2002 , 92, 3599-3607	2.5	108
62	Fabrication of ferroelectric (Pb,Ba)TiO ₃ thin films by sol-gel technique and their characterization. <i>Materials Letters</i> , 2002 , 52, 57-61	3.3	21

61	Investigations on Al/BaTiO ₃ /GaN MFS structures. <i>Materials Letters</i> , 2002 , 52, 80-84	3.3	9
60	Studies on the growth aspects of Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ whiskers by vapour-liquid-solid mechanism. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 345-349	1.3	10
59	Characterization of Niobium Oxide Films Prepared by Reactive DC Magnetron Sputtering. <i>Physica Status Solidi A</i> , 2001 , 188, 1047-1058		38
58	Structural, Morphological and Electrical Studies on Barium Strontium Titanate Thin Films Prepared by Sol-Gel Technique. <i>Crystal Research and Technology</i> , 2001 , 36, 65-72	1.3	18
57	Growth and characterization of non-linear optical l-hystidine tetrafluoroborate (l-HFB) single crystals. <i>Journal of Crystal Growth</i> , 2001 , 224, 122-127	1.6	40
56	Nb:BST: Crystal growth and ferroelectric properties. <i>Journal of Crystal Growth</i> , 2001 , 225, 484-488	1.6	15
55	Vapour-liquid-solid (VLS) growth mechanism of superconducting Bi ₂ Sr ₂ CaCu ₂ O ₈ whiskers. <i>Journal of Crystal Growth</i> , 2001 , 229, 339-342	1.6	12
54	Growth and characterization of superconducting (GdCe) ₂ NbSr ₂ Cu ₂ O ₁₀ single crystals. <i>Journal of Crystal Growth</i> , 2001 , 229, 391-395	1.6	2
53	Growth and characterization of zinc thiourea chloride (ZTC): a semiorganic nonlinear optical crystal. <i>Journal of Crystal Growth</i> , 2001 , 229, 563-567	1.6	126
52	Growth and characterization of l-lysine doped TGS and TGSP single crystals. <i>Journal of Crystal Growth</i> , 2001 , 229, 568-573	1.6	28
51	EPR study on γ -irradiated single crystals of a non-linear optical material: 3-methoxy-4-hydroxy benzaldehyde. <i>Materials Chemistry and Physics</i> , 2001 , 72, 1-4	4.4	6
50	X-RAY PHOTO-EMISSION SPECTROSCOPIC STUDY ON Sm _{0.85} Nd _{0.15} Se. <i>International Journal of Modern Physics B</i> , 2001 , 15, 3465-3470	1.1	0
49	Structural and optical properties of thin lead oxide films produced by reactive direct current magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001 , 19, 2870	2.9	42
48	BaTiO ₃ as an insulating layer for InP-based metal-insulator-semiconductor structures. <i>Materials Letters</i> , 2001 , 51, 56-60	3.3	3
47	Growth of bis(thiourea) cadmium chloride single crystals as potential NLO material of organometallic complex. <i>Journal of Crystal Growth</i> , 2000 , 218, 365-371	1.6	90
46	Metastable zonewidth, induction period and interfacial energy of zinc tris(thiourea) sulfate. <i>Journal of Crystal Growth</i> , 2000 , 210, 741-745	1.6	69
45	Studies on the growth aspects of Eu _{1.4} Ce _{0.6} NbSr ₂ Cu ₂ O ₁₀ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 547-548	1.3	5
44	Texturing studies on Sm substituted Bi-2212 high T _c superconductor grown by floating zone technique. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 659-660	1.3	3

43	BaSrTiCeO ₃ : growth and crystal structure. <i>Crystal Engineering</i> , 2000 , 3, 195-200		4
42	Ferroelectric characterization studies on barium calcium titanate single crystals. <i>Materials Characterization</i> , 2000 , 45, 89-93	3.9	40
41	Fabrication and characterisation of (Ba,Sr)TiO ₃ thin films by sol-gel technique through organic precursor route. <i>Materials Chemistry and Physics</i> , 2000 , 65, 261-265	4.4	15
40	Effects of energetic ions on barium strontium titanate crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 170, 145-148	1.2	5
39	Growth and characterization of Ce and Nb doped barium strontium titanate single crystals. <i>Materials Research Bulletin</i> , 2000 , 35, 603-611	5.1	12
38	Investigations on nucleation thermodynamical parameters of NdBa ₂ Cu ₃ O _{7-δ} (Nd123) crystallization by high temperature solution growth. <i>Bulletin of Materials Science</i> , 2000 , 23, 79-82	1.7	2
37	Growth and characterisation of phosphate mixed ZTS single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999 , 65, 153-158	3.1	56
36	Growth of zinc thiourea sulfate (ZTS) single crystals. <i>Journal of Crystal Growth</i> , 1999 , 197, 216-220	1.6	88
35	Habit modification of potassium acid phthalate (KAP) single crystals by impurities. <i>Journal of Crystal Growth</i> , 1999 , 207, 325-329	1.6	34
34	Investigations on nucleation thermodynamical parameters of NdBa ₂ Cu ₃ O _{7-δ} (Nd123) crystallizing from high temperature solution. <i>Materials Chemistry and Physics</i> , 1999 , 59, 175-178	4.4	2
33	Influence of pH on the characteristics of zinc tris (thiourea) sulfate (ZTS) single crystals. <i>Materials Chemistry and Physics</i> , 1999 , 61, 270-274	4.4	37
32	Investigations on the Nucleation Kinetics of L-Arginine Phosphate single crystals. <i>Crystal Research and Technology</i> , 1999 , 34, 1265-1268	1.3	13
31	Growth and texturing studies of Bi ₂ Y _{0.1} Sr _{1.9} CaCu ₂ Li _x O ₈ crystals grown by floating-zone technique. <i>Journal of Crystal Growth</i> , 1998 , 183, 573-580	1.6	2
30	Ferroelectric studies on amino acids mixed TGSP single crystals. <i>Materials Letters</i> , 1998 , 33, 251-254	3.3	14
29	Growth and characterization of ferroelectric Ba _{1-x} Ca _x TiO ₃ single crystals. <i>Ferroelectrics</i> , 1998 , 215, 169-180	0.6	7
28	LaB ₆ crystals from fused salt electrolysis. <i>Journal of Materials Chemistry</i> , 1998 , 8, 2205-2207		17
27	Atomic Force Microscope Studies on Domain Dynamics in Phosphate Substituted Triglycine Sulfate Single Crystals: Evidence for the Domain Boundary Motion towards Negative Region and Holes Formation at the Domain Boundary. <i>Japanese Journal of Applied Physics</i> , 1998 , 37, 6177-6182	1.4	4
26	Growth and characterization of benzophenone and urea doped triglycine sulphate crystals. <i>Ferroelectrics</i> , 1997 , 200, 279-286	0.6	13

25	Growth and characterization of superconducting $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Ce}_x\text{Cu}_2\text{O}_8$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 275, 279-283	1.3	7
24	Growth and characterization of L-alanine and L-valine doped triglycine sulphate crystals. <i>Materials Research Bulletin</i> , 1997 , 32, 1503-1513	5.1	25
23	Growth and stability of pure and amino doped TGS crystals. <i>Materials Chemistry and Physics</i> , 1997 , 50, 233-237	4.4	33
22	Growth and characterization of amino acids mixed triglycine sulpho-phosphate single crystals. <i>Materials Chemistry and Physics</i> , 1997 , 50, 57-62	4.4	10
21	Studies on simultaneous substitution of Pb and Y in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 288, 163-166	1.3	4
20	Growth and surface studies on triglycine sulpho-phosphate (TGSP) single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1997 , 49, 216-220	3.1	8
19	Experimental determination of metastable zone width, induction period and interfacial energy of LAP family crystals. <i>Journal of Crystal Growth</i> , 1997 , 178, 387-392	1.6	31
18	Synthesis and Characterisation of Bulk Textured Phases in the $\text{Bi}(\text{Pb})_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ System. <i>Crystal Research and Technology</i> , 1995 , 30, 587-594	1.3	1
17	Growth and characterization of bulk-textured $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_8$ by the float zone technique. <i>Superconductor Science and Technology</i> , 1994 , 7, 367-371	3.1	12
16	Growth of large size twin free $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals by a temperature gradient technique. <i>Journal of Crystal Growth</i> , 1994 , 137, 273-277	1.6	4
15	Growth of $\text{CaLnBaCu}_3\text{O}_{7-\delta}$ (Ln=La, Pr and Nd) single crystals by the flux technique. <i>Superconductor Science and Technology</i> , 1993 , 6, 443-446	3.1	3
14	Growth of superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals using K_2CO_3 flux. <i>Superconductor Science and Technology</i> , 1993 , 6, 349-352	3.1	2
13	Growth of large size single crystals and whiskers of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ by step-cooling method. <i>Journal of Crystal Growth</i> , 1993 , 131, 105-110	1.6	14
12	Growth, twin and domain structure studies of superconducting $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_8$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 429-434	1.3	8
11	Growth, characterization and superconductivity studies on $\text{CaLaBaCu}_3\text{O}_{7-\delta}$ single crystals. <i>Journal of Materials Science Letters</i> , 1992 , 11, 145-147		5
10	Textured growth and orientation dependence of hardness measurement on superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$. <i>Journal of Materials Science Letters</i> , 1992 , 11, 1650-1652		3
9	Growth and characterisation of $\text{Bi}_2\text{Sr}_2\text{Ca}_1\text{Cu}_2\text{O}_y$ by the floating zone method. <i>Materials Chemistry and Physics</i> , 1992 , 31, 281-284	4.4	4
8	Preparation and characterisation of BiSrCaCuO through glassy route. <i>Solid State Communications</i> , 1991 , 79, 421-424	1.6	2

7	Superconductivity and morphological studies on Bi ₂ Sr ₂ CaCu ₂ O ₈ single crystals grown from stoichiometric and nonstoichiometric melts. <i>Bulletin of Materials Science</i> , 1991 , 14, 1343-1348	1.7	2
6	Growth and morphology studies of La _{2-x} Sr _x CuO ₄ single crystals. <i>Materials Research Bulletin</i> , 1991 , 26, 945-950	5.1	
5	GROWTH AND CHARACTERISATION OF Bi ₂ Sr ₂ Ca ₁ Cu _{2-x} Ni _x O _y SINGLE CRYSTALS. <i>Modern Physics Letters B</i> , 1991 , 05, 1989-1995	1.6	2
4	GROWTH OF YBCO AND NBCO SINGLE CRYSTALS. <i>Modern Physics Letters B</i> , 1990 , 04, 1289-1294	1.6	2
3	Fabrication of chitosan/Cashew Nut Shell Liquid/plant extracts-based bio-formulated nanosheets with embedded iron oxide nanoparticles as multi-functional barrier resist eco-packaging material. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	1
2	Metal oxide-grafted graphene nanocomposites for energy storage applications. <i>Emergent Materials</i> ,1	3.5	2
1	Performance Enhancement and Comparison of Graphene Field Effect Transistor Devices Coated with HMDS Layer. <i>Silicon</i> ,1	2.4	