

Srimala Sreekantan

List of Publications by Year in Descending Order

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

152
papers

2,265
citations

27
h-index

42
g-index

167
ext. papers

2,569
ext. citations

2.7
avg, IF

5.4
L-index

#	Paper	IF	Citations
152	Genome-nanosurface interaction of titania nanotube arrays: evaluation of telomere, telomerase and NF- κ B activities on an epithelial cell model.. <i>RSC Advances</i> , 2022 , 12, 2237-2245	3.7	
151	Efficiency of the novel TP/LLDPE nanocomposite in killing multi-drug resistant pathogens. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021 , 12, 035018	1.6	
150	Mesoporous TiO ₂ Implanted ZnO QDs for the Photodegradation of Tetracycline: Material Design, Structural Characterization and Photodegradation Mechanism. <i>Catalysts</i> , 2021 , 11, 1205	4	3
149	Effect of calcination temperature on physicochemical and antimicrobial properties of green synthesised ZnO/C/Ca nanocomposites using <i>Calotropis gigantea</i> leaves. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021 , 12, 015013	1.6	1
148	The Morphological Development of Ordered Nanotube Structure Due to the Anodization of Ti Foil with Axial and Radial Current Flow. <i>Current Nanoscience</i> , 2021 , 17, 109-119	1.4	
147	Floating ZnO QDs-Modified TiO/LLDPE Hybrid Polymer Film for the Effective Photodegradation of Tetracycline under Fluorescent Light Irradiation: Synthesis and Characterisation. <i>Molecules</i> , 2021 , 26,	4.8	8
146	bio-interaction responses and hemocompatibility of nano-based linear low-density polyethylene polymer embedded with heterogeneous TiO/ZnO nanocomposites for biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 1301-1311	3.5	1
145	Effect of hybrid filler ratio and filler particle size on thermal conductivity and oil bleed of polydimethylsiloxane/Al ₂ O ₃ /ZnO liquid thermal filler for microelectronics packaging applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 861-874	2.1	3
144	Bactericidal potential of dual-ionic honeycomb-like ZnO-CuO nanocomposites from <i>Calotropis gigantea</i> against prominent pathogen associated with skin and surgical wound infections: <i>Staphylococcus aureus</i> . <i>Materials Science for Energy Technologies</i> , 2021 , 4, 383-390	5.2	2
143	Compositions and antimicrobial properties of binary ZnO-CuO nanocomposites encapsulated calcium and carbon from <i>Calotropis gigantea</i> targeted for skin pathogens. <i>Scientific Reports</i> , 2021 , 11, 99	4.9	8
142	Biocompatibility and Cytotoxicity Study of Polydimethylsiloxane (PDMS) and Palm Oil Fuel Ash (POFA) Sustainable Super-Hydrophobic Coating for Biomedical Applications. <i>Polymers</i> , 2020 , 12,	4.5	4
141	New-generation titania-based catalysts for photocatalytic hydrogen generation 2020 , 257-292		
140	The bactericidal potential of LLDPE with TiO/ZnO nanocomposites against multidrug resistant pathogens associated with hospital acquired infections. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 1757-1769	3.5	2
139	Bactericidal Capacity of a Heterogeneous TiO/ZnO Nanocomposite against Multidrug-Resistant and Non-Multidrug-Resistant Bacterial Strains Associated with Nosocomial Infections. <i>ACS Omega</i> , 2020 , 5, 12027-12034	3.9	8
138	Coupled Oxides/LLDPE Composites for Textile Effluent Treatment: Effect of Neem and PVA Stabilization. <i>Polymers</i> , 2020 , 12,	4.5	1
137	Characterization and Biodegradability of Rice Husk-Filled Polymer Composites. <i>Polymers</i> , 2020 , 13,	4.5	17
136	ZnO Surface Doping to Enhance the Photocatalytic Activity of Lithium Titanate/TiO ₂ for Methylene Blue Photodegradation under Visible Light Irradiation. <i>Surfaces</i> , 2020 , 3, 301-318	2.9	6

135	Heterojunction catalysts g-C ₃ N ₄ /-3ZnO-c-Zn ₂ Ti ₃ O ₈ with highly enhanced visible-light-driven photocatalytic activity. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 93, 354-370	2.3	5
134	Preparation of a Polydimethylsiloxane (PDMS)/Graphene-based Super-hydrophobic Coating. <i>Materials Today: Proceedings</i> , 2019 , 17, 752-760	1.4	6
133	ZnO incorporated antimicrobial LDPE: Effect of PVA-Neem Functionalization. <i>Materials Today: Proceedings</i> , 2019 , 17, 646-654	1.4	2
132	Structural and Antibacterial Properties of WO ₃ /ZnO Hybrid Particles against Pathogenic Bacteria. <i>Materials Today: Proceedings</i> , 2019 , 17, 1008-1017	1.4	2
131	Mechanisms of removal of heavy metal ions by ZnO particles. <i>Heliyon</i> , 2019 , 5, e01440	3.6	75
130	Effect of Li-TiO ₂ nanoparticles incorporation in LDPE polymer nanocomposites for biocidal activity. <i>Nano Structures Nano Objects</i> , 2019 , 19, 100359	5.6	11
129	Nano TiO ₂ for Biomedical Applications 2019 , 267-281		1
128	Improved super-hydrophobicity of eco-friendly coating from palm oil fuel ash (POFA) waste. <i>Surface and Coatings Technology</i> , 2018 , 337, 126-135	4.4	22
127	Improved Adhesion of Nonfluorinated ZnO Nanotriangle Superhydrophobic Layer on Glass Surface by Spray-Coating Method. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-11	3.2	10
126	Preparation and Characterization of Low-Molecular-Weight Natural Rubber Latex via Photodegradation Catalyzed by Nano TiO ₂ <i>Polymers</i> , 2018 , 10,	4.5	6
125	Effect of metal/metal oxide coupling on the photoluminescence properties of ZnO microrods. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	7
124	Bacteriostatic Activity of LLDPE Nanocomposite Embedded with Sol-Gel Synthesized TiO ₂ /ZnO Coupled Oxides at Various Ratios. <i>Polymers</i> , 2018 , 10,	4.5	15
123	Titanium Dioxide Nanotube Arrays for Biomedical Implant Materials and Nanomedicine Applications 2018 ,		5
122	Factor Affecting Geometry of TiO ₂ Nanotube Arrays (TNAs) in Aqueous and Organic Electrolyte 2018 ,		2
121	Effect of Carbon Reductant on the Formation of Copper Doped Titanium Oxycarbonitride by Carbothermal Reduction and Nitridation. <i>Minerals, Metals and Materials Series</i> , 2017 , 237-250	0.3	
120	Effect of Deposition Temperature on the Growth of Tungsten Oxide Layer Deposited on Polyethylene Terephthalate Fibers. <i>Procedia Engineering</i> , 2017 , 184, 695-707		5
119	Nucleation of octahedral titanate crystals using waste anodic electrolyte from the anodization of TiO ₂ nanotubes. <i>CrystEngComm</i> , 2017 , 19, 6406-6411	3.3	3
118	Cellular Homeostasis and Antioxidant Response in Epithelial HT29 Cells on Titania Nanotube Arrays Surface. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 3708048	6.7	3

117	Fe ₃ O ₄ /Ag ₂ WO ₄ : facile synthesis, characterization and visible light assisted photocatalytic activity. <i>New Journal of Chemistry</i> , 2017 , 41, 11722-11730	3.6	35
116	Photodegradation Improvement of Low-Density Polyethylene Thin Film with gC ₃ N ₄ /5ZnO/TiO ₂ Photocatalysts. <i>Solid State Phenomena</i> , 2017 , 264, 236-239	0.4	3
115	Structural and electrical properties of nickel iron thin film on copper substrate for dynamic random access memory applications. <i>Russian Journal of Electrochemistry</i> , 2016 , 52, 788-795	1.2	3
114	Removal of congo red from water using quercetin modified Fe ₂ O ₃ nanoparticles as effective nanoadsorbent. <i>Materials Chemistry and Physics</i> , 2016 , 180, 53-65	4.4	39
113	Photocatalytic activity of MnO ₂ nanotubes grown on PET fibre under visible light irradiation. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 603-618	1.9	22
112	Effect of cetyl trimethyl ammonium bromide concentration on structure, morphology and carbon dioxide adsorption capacity of calcium hydroxide based sorbents. <i>Applied Surface Science</i> , 2016 , 363, 586-592	6.7	9
111	Improved CO ₂ adsorption capacity and cyclic stability of CaO sorbents incorporated with MgO. <i>New Journal of Chemistry</i> , 2016 , 40, 231-237	3.6	28
110	Photocatalytic activity of ZnO-MnO ₂ core shell nanocomposite in degradation of RhB dye. <i>Pigment and Resin Technology</i> , 2016 , 45, 408-418	1	13
109	Study of TiO ₂ nanotubes as an implant application 2016 ,		4
108	Effect of carbonation temperature on CO ₂ adsorption capacity of CaO derived from micro/nanostructured aragonite CaCO ₃ 2016 ,		1
107	Ca(OH) ₂ nano-pods: investigation on the effect of solvent ratio on morphology and CO ₂ adsorption capacity. <i>RSC Advances</i> , 2016 , 6, 36031-36038	3.7	8
106	Higher Photocatalytic Activity of P-Incorporated TiO ₂ Nanotube Arrays. <i>Advanced Materials Research</i> , 2015 , 1087, 452-456	0.5	
105	Study on the structural and electromagnetic properties of Tm-substituted MgMn ferrites by a solution combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 385, 433-440	2.8	17
104	Influence of pH on the physical and electromagnetic properties of MgMn ferrite synthesized by a solution combustion method. <i>Materials Characterization</i> , 2015 , 110, 109-115	3.9	11
103	Sol-gel hydrothermal synthesis of microstructured CaO-based adsorbents for CO ₂ capture. <i>RSC Advances</i> , 2015 , 5, 6051-6060	3.7	13
102	Physical and electromagnetic properties of nanosized Gd substituted MgMn ferrites by solution combustion method. <i>Physica B: Condensed Matter</i> , 2015 , 461, 134-139	2.8	33
101	Photoelectrochemical properties of TiO ₂ nanotube arrays: effect of electrolyte pH and annealing temperature. <i>Journal of Experimental Nanoscience</i> , 2014 , 9, 230-239	1.9	11
100	Novel Aragonite CaCO ₃ Adsorbents: Synthesis, Characterization and CO ₂ Adsorption. <i>Advanced Materials Research</i> , 2014 , 911, 415-419	0.5	

99	Copper-incorporated titania nanotubes for effective lead ion removal. <i>Materials Science in Semiconductor Processing</i> , 2014 , 26, 620-631	4.3	19
98	Synthesis, characterization and comparative study of nano-Ag/TiO ₂ against Gram-positive and Gram-negative bacteria under fluorescent light. <i>Food Control</i> , 2014 , 46, 480-487	6.2	22
97	Post-annealing treatment for Cu-TiO ₂ nanotubes and their use in photocatalytic methyl orange degradation and Pb(II) heavy metal ions removal. <i>EPJ Applied Physics</i> , 2014 , 67, 10404	1.1	4
96	Synthesis of V ₂ O ₅ Nanoflakes on PET Fiber as Visible-Light-Driven Photocatalysts for Degradation of RhB Dye. <i>Journal of Catalysts</i> , 2014 , 2014, 1-7		20
95	Effect of Calcination Temperature on the Morphological and Phase Structure of Hydrothermally Synthesized Copper Ion Doped TiO ₂ Nanotubes. <i>Advanced Materials Research</i> , 2014 , 1024, 7-10	0.5	2
94	Photoelectrochemical response studies of W deposited TiO ₂ nanotubes via thermal evaporation technique. <i>Journal of Experimental Nanoscience</i> , 2014 , 9, 728-738	1.9	3
93	Development of Ca(OH) ₂ Nanosorbent for Intermediate-High Temperature CO ₂ Capture via Wet Chemical Route in N,N-Dimethylformamide Solvent. <i>Advanced Materials Research</i> , 2014 , 911, 410-414	0.5	
92	A novel (ZrO ₂) incorporated Ca(OH) ₂ nanostructure as a durable adsorbent for CO ₂ capture. <i>Materials Letters</i> , 2014 , 133, 204-207	3.3	8
91	P-Incorporated TiO ₂ Nanotube Arrays by Wet Impregnation Method for Efficient Photocatalytic Activity. <i>Advanced Materials Research</i> , 2014 , 1024, 31-34	0.5	
90	Carbon Dioxide Capture at Various Temperatures Using Ca(OH) ₂ Sorbent Fabricated by Sol-Gel Route in Ethanol Media. <i>Advanced Materials Research</i> , 2014 , 1024, 35-38	0.5	
89	Fe-TiO ₂ Nanoparticles by Hydrothermal Treatment with Photocatalytic Activity Enhancement. <i>Advanced Materials Research</i> , 2014 , 1024, 39-43	0.5	5
88	The Influence of Lead Concentration on Photocatalytic Reduction of Pb(II) Ions Assisted by Cu-TiO ₂ Nanotubes. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-7	2.1	14
87	Hydrothermal Synthesis and Characterisation of Cu Doped TiO ₂ Nanotubes for Photocatalytic Degradation of Methyl Orange. <i>Advanced Materials Research</i> , 2014 , 911, 126-130	0.5	8
86	Fabrication and photocatalysis of nanotubular C-doped TiO ₂ arrays: Impact of annealing atmosphere on the degradation efficiency of methyl orange. <i>Materials Science in Semiconductor Processing</i> , 2014 , 20, 1-6	4.3	26
85	The Influence of Hydrothermal Temperature on CaO-based Adsorbents Synthesized by Sol-Gel-Hydrothermal Method. <i>Procedia Environmental Sciences</i> , 2014 , 20, 71-78		7
84	Study on the Effect of Dielectric Structure to the Cylindrical Dielectric Resonator Antenna (DRA). <i>Lecture Notes in Electrical Engineering</i> , 2014 , 457-462	0.2	0
83	Feed Coupling Comparative Assessment of Selected Microstrip Patch Antenna. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 463-472	0.2	0
82	Degradation of organic dye using ZnO nanorods based continuous flow water purifier. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 66, 399-405	2.3	11

81	Physical Properties Study of TiO ₂ Nanoparticle Synthesis via Hydrothermal Method Using TiO ₂ Microparticles as Precursor. <i>Advanced Materials Research</i> , 2013 , 772, 365-370	0.5	15
80	Well-aligned TiO ₂ nanotube arrays for energy-related applications under solar irradiationPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2013 , 1, 203-219	2.4	27
79	Fabrication of WO ₃ nanostructures by anodization method for visible-light driven water splitting and photodegradation of methyl orange. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 303-310	4.3	43
78	Photocatalytic Degradation of Rhodamine B Using MnO ₂ and ZnO Nanoparticles. <i>Materials Science Forum</i> , 2013 , 756, 167-174	0.4	11
77	Antibacterial Activity of Ag-TiO ₂ Nanoparticles with Various Silver Contents. <i>Materials Science Forum</i> , 2013 , 756, 238-245	0.4	11
76	Study of WO ₃ incorporated C-TiO ₂ nanotubes for efficient visible light driven water splitting performance. <i>Journal of Alloys and Compounds</i> , 2013 , 547, 43-50	5.7	47
75	Preparation of hybrid WO ₃ /TiO ₂ nanotube photoelectrodes using anodization and wet impregnation: Improved water-splitting hydrogen generation performance. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 2156-2166	6.7	98
74	A novel 5.8 GHz quasi-lumped element resonator antenna. <i>AEU - International Journal of Electronics and Communications</i> , 2013 , 67, 557-563	2.8	12
73	A Novel and Simple Process for Nanosized Mg-Mn Ferrite Preparation from Solution Combustion Method and Study of its Characteristics. <i>International Journal of Applied Ceramic Technology</i> , 2013 , 10, 924-930	2	4
72	Effect of heat treatment on WO ₃ -loaded TiO ₂ nanotubes for hydrogen generation via enhanced water splitting. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 947-954	4.3	32
71	Single-step growth of carbon and potassium-embedded TiO ₂ nanotube arrays for efficient photoelectrochemical hydrogen generation. <i>Electrochimica Acta</i> , 2013 , 89, 585-593	6.7	29
70	Incorporation of WO ₃ species into TiO ₂ nanotubes via wet impregnation and their water-splitting performance. <i>Electrochimica Acta</i> , 2013 , 87, 294-302	6.7	69
69	Low-temperature crystallization of TiO ₂ nanotube arrays via hot water treatment and their photocatalytic properties under visible-light irradiation. <i>Materials Chemistry and Physics</i> , 2013 , 137, 991-998	4.4	34
68	Fabrication of Ca(OH) ₂ Nanostructures by Facile Solution Based Synthesis at Various Reaction Temperatures as CO ₂ Adsorbent. <i>Materials Science Forum</i> , 2013 , 756, 175-181	0.4	
67	TiO ₂ Nanotubes Arrays: Improved Photoelectrochemical Water Splitting by Adding Optimum Amount of Ethylene Glycol in KOH Electrolyte. <i>Nanoscience and Nanotechnology Letters</i> , 2013 , 5, 57-62	0.8	6
66	Single Step Formation of C-TiO ₂ Nanotubes: Influence of Applied Voltage and Their Photocatalytic Activity under Solar Illumination. <i>International Journal of Photoenergy</i> , 2013 , 2013, 1-8	2.1	9
65	Effect of CVD Synthesis Parameters on the Growth of Catalyst-Free ZnO NRs. <i>Materials Science Forum</i> , 2013 , 756, 24-30	0.4	2
64	A Novel Solar Driven Photocatalyst: Well-Aligned Anodic WO ₃ Nanotubes. <i>International Journal of Photoenergy</i> , 2013 , 2013, 1-6	2.1	12

63	The Effect of Cu Concentration on TiO ₂ Nanotubes For Low Concentration of Pb(II) Removal. <i>Materials Science Forum</i> , 2013 , 756, 212-218	0.4	
62	Surface modification and bioactivity of anodic Ti6Al4V alloy. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1696-705	1.3	17
61	Morphological, Structural and Optical Properties Study of Transition Metal Ions Doped TiO ₂ Nanotubes Prepared by Hydrothermal Method. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2013 , 314-318	0.3	9
60	Preparation and photoelectrochemical characterization of WO ₃ -loaded TiO ₂ nanotube arrays via radio frequency sputtering. <i>Electrochimica Acta</i> , 2012 , 77, 128-136	6.7	40
59	Dimensional control of titanium dioxide nanotube arrays with hydrogen peroxide content for high photoelectrochemical water splitting performance. <i>Micro and Nano Letters</i> , 2012 , 7, 443	0.9	21
58	Control of the structure, morphology and dielectric properties of bismuth titanate ceramics by praseodymium substitution using an intermediate fuel agent-assisted self-combustion synthesis. <i>Journal of Materials Science</i> , 2012 , 47, 4019-4027	4.3	6
57	Carbon-incorporated TiO ₂ photoelectrodes prepared via rapid-anodic oxidation for efficient visible-light hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 10046-10056	6.7	27
56	Visible light photoelectrochemical response of copper deposited titanium dioxide nanotubes. <i>EPJ Applied Physics</i> , 2012 , 59, 20402	1.1	4
55	High Gain and High Directive of Antenna Arrays Utilizing Dielectric Layer on Bismuth Titanate Ceramics. <i>International Journal of Antennas and Propagation</i> , 2012 , 2012, 1-8	1.2	2
54	Visible light photoelectrochemical performance of W-loaded TiO ₂ nanotube arrays: structural properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 3170-4	1.3	7
53	Influences of pH on the structure, morphology and dielectric properties of bismuth titanate ceramics produced by a low-temperature self-combustion synthesis without an additional fuel agent. <i>Ceramics International</i> , 2012 , 38, 3001-3009	5.1	6
52	Evaluation of the flexural properties and bioactivity of bioresorbable PLLA/PBSL/CNT and PLLA/PBSL/TiO ₂ nanocomposites. <i>Composites Part B: Engineering</i> , 2012 , 43, 1374-1381	10	19
51	Morphological and Structural Studies of Titanate and Titania Nanostructured Materials Obtained after Heat Treatments of Hydrothermally Produced Layered Titanate. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-10	3.2	24
50	Structural and Electrical Properties of Lanthanide Substituted-Bismuth Titanate Prepared by Low-Temperature Combustion Synthesis. <i>Advanced Materials Research</i> , 2012 , 545, 279-284	0.5	
49	Discovery of WO ₃ /TiO ₂ Nanostructure Transformation by Controlling Content of NH ₄ F to Enhance Photoelectrochemical Response. <i>Advanced Materials Research</i> , 2012 , 620, 173-178	0.5	2
48	Synthesis and Growth Mechanism of Catalyst-Free ZnO Nanowires Using Chemical Vapour Deposition. <i>Advanced Materials Research</i> , 2012 , 620, 320-324	0.5	1
47	Studies of Cell Growth on TiO ₂ Nanotubes. <i>Advanced Materials Research</i> , 2012 , 620, 325-329	0.5	3
46	Photoelectrochemical Performance of Smooth TiO ₂ Nanotube Arrays: Effect of Anodization Temperature and Cleaning Methods. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-11	2.1	35

45	P-Incorporated TiO ₂ Nanotubes for Methyl Orange Degradation. <i>Advanced Materials Research</i> , 2012 , 620, 151-155	0.5	1
44	Effect of radio frequency sputtering power on WO ₃ /TiO ₂ nanotubes to improve photoelectrochemical performance. <i>Journal of Materials Research</i> , 2012 , 27, 1695-1704	2.5	15
43	Single Step Combustion Synthesis for the Preparation of Bismuth Titanate Ceramics for Potential Applications. <i>Advanced Materials Research</i> , 2012 , 620, 429-434	0.5	1
42	Photoelectrochemical behaviour of uniform growth TiO ₂ nanotubes via bubble blowing synthesised in ethylene glycol with hydrogen peroxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 4057-66	1.3	16
41	OPTIMIZED SPUTTERING POWER TO INCORPORATE WO ₃ INTO CdTiO ₂ NANOTUBES FOR HIGHLY VISIBLE PHOTO RESPONSE PERFORMANCE. <i>Nano</i> , 2012 , 07, 1250051	1.1	17
40	Fuel-free low-temperature self-combustion synthesis and characterization of praseodymium-substituted bismuth titanate ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2012 , 120, 58-63	1	2
39	Soft combustion technique: Solution combustion synthesis and low-temperature combustion synthesis; to prepare Bi ₄ Ti ₃ O ₁₂ powders and bulk ceramics. <i>Science of Sintering</i> , 2012 , 44, 211-221	0.7	3
38	Synthesis of (Bi _{0.5} Na _{0.5})TiO ₃ (BNT) and Pr doped BNT using the soft combustion technique and its properties. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2936-2941	5.7	56
37	INVESTIGATION OF THE CHARACTERISTICS OF BARIUM STRONTIUM TITANATE (BST) DIELECTRIC RESONATOR CERAMIC LOADED ON ARRAY ANTENNAS. <i>Progress in Electromagnetics Research</i> , 2011 , 121, 181-213	3.8	21
36	Phase formation and dielectric properties of Ba _{0.5} Sr _{0.5} TiO ₃ by slow injection sol-gel technique. <i>Journal of Materials Science</i> , 2011 , 46, 1806-1813	4.3	13
35	Structural characteristics and dielectric properties of neodymium doped barium titanate. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 167-173	2.1	21
34	Formation of TiO ₂ nanotubes via anodization and potential applications for photocatalysts, biomedical materials, and photoelectrochemical cell. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011 , 21, 012002	0.4	37
33	Extremely Fast Growth Rate of TiO ₂ Nanotube Arrays in Electrochemical Bath Containing H ₂ O ₂ . <i>Journal of the Electrochemical Society</i> , 2011 , 158, C397	3.9	66
32	Preparation and Characterization of Cu Loaded TiO ₂ Nanotube Arrays and their Photocatalytic Activity. <i>Advanced Materials Research</i> , 2011 , 364, 377-381	0.5	2
31	Nanotubular Transition Metal Oxide for Hydrogen Production. <i>Advanced Materials Research</i> , 2011 , 364, 494-499	0.5	3
30	EFFECT OF Fe DEFICIENCY ON STRUCTURAL AND MAGNETIC PROPERTIES IN LOW TEMPERATURE SYNTHESIZED Mg-Mn FERRITE. <i>International Journal of Nanoscience</i> , 2011 , 10, 1257-1263	0.6	6
29	TiO ₂ Foam: Characterization and Cell Adhesion. <i>Advanced Materials Research</i> , 2011 , 264-265, 1506-1513	0.5	
28	Characterization and Photocatalytic Activity of Enhanced Copper-Silica-Loaded Titania Prepared via Hydrothermal Method. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-8	3.2	8

27	Effect of Applied Potential on the Formation of Self-Organized TiO ₂ Nanotube Arrays and Its Photoelectrochemical Response. <i>Journal of Nanomaterials</i> , 2011 , 2011, 1-7	3.2	37
26	Degradation of Methyl Orange using TiO ₂ as Photocatalyst 2011 ,		4
25	Synthesis and Properties Study of Pr Doped (Bi _{0.5} Na _{0.5})TiO ₃ Produced Using the Soft Combustion Technique. <i>Advanced Materials Research</i> , 2010 , 148-149, 1619-1622	0.5	
24	Effects of dispersion solvent on the formation of silicon nanoparticles synthesized via microemulsion route 2010 ,		3
23	Effects of the Polyvinyl Alcohol (PVA) on the Synthesis of Alumina Fibers through Electrospinning Technique. <i>Advanced Materials Research</i> , 2010 , 173, 150-154	0.5	1
22	The rapid growth of 3 microm long titania nanotubes by anodization of titanium in a neutral electrochemical bath. <i>Nanotechnology</i> , 2010 , 21, 055601	3.4	22
21	The Effect of Water Content on the Formation of TiO ₂ Nanotubes in Ethylene Glycol. <i>Advanced Materials Research</i> , 2010 , 173, 102-105	0.5	1
20	A novel process to produce nanoporous aluminum oxide using titration technique to prepare the neutral electrolyte. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1057-1060	3.9	2
19	Study on the formation and photocatalytic activity of titanate nanotubes synthesized via hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2010 , 490, 436-442	5.7	102
18	Influence of anodisation voltage on the dimension of titania nanotubes. <i>Journal of Alloys and Compounds</i> , 2010 , 503, 359-364	5.7	65
17	Effect of pH on TiO ₂ Nanoparticles via Sol-Gel Method. <i>Advanced Materials Research</i> , 2010 , 173, 184-189	0.5	31
16	Fast-rate formation of TiO ₂ nanotube arrays in an organic bath and their applications in photocatalysis. <i>Nanotechnology</i> , 2010 , 21, 365603	3.4	94
15	SIMULATION AND EXPERIMENTAL INVESTIGATORS ON RECTANGULAR, CIRCULAR AND CYLINDRICAL DIELECTRIC RESONATOR ANTENNA. <i>Progress in Electromagnetics Research C</i> , 2009 , 7, 151-186	0.9	9
14	SINGLE STEP SYNTHESIS OF MAGNESIUM FERRITE NANOCRYSTALLITES AND SOME OF ITS CHARACTERISTICS. <i>International Journal of Nanoscience</i> , 2009 , 08, 87-91	0.6	2
13	Photoactivity of anatase and rutile TiO ₂ nanotubes formed by anodization method. <i>Thin Solid Films</i> , 2009 , 518, 16-21	2.2	105
12	Microwave Properties of Bismuth Lanthanum Titanate Ceramic Substrate and its Effects with Various Shapes. <i>Journal of Electromagnetic Waves and Applications</i> , 2009 , 23, 415-425	1.3	
11	Structural and morphology studies of praseodymium-doped bismuth titanate prepared using a wet chemical route. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 758-761	5.7	19
10	Room temperature anodic deposition and shape control of one-dimensional nanostructured zinc oxide. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 513-518	5.7	30

9	Influence of electrolyte pH on TiO ₂ nanotube formation by Ti anodization. <i>Journal of Alloys and Compounds</i> , 2009 , 485, 478-483	5-7	68
8	Investigation of Microwave Properties of High Permittivity Ceramic Substrate. <i>Journal of Electromagnetic Waves and Applications</i> , 2008 , 22, 1873-1882	1-3	1
7	Wideband dielectric resonator antenna for C-Band application 2008 ,		1
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4	Fabrication of BaTiO ₃ thin films through ink-jet printing of TiO ₂ sol and soluble Ba salts. <i>Materials Letters</i> , 2007 , 61, 4536-4539	3-3	4
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2	Non- oil bleed two-part silicone dispensable thermal gap filler with Al ₂ O ₃ and AlN filler for effective heat dissipation in electronics packaging 1-16		1
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