Srimala Sreekantan

List of Publications by Citations

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	Photoactivity of anatase–rutile TiO2 nanotubes formed by anodization method. *Thin Solid Films*, **2009**, 518, 16-21	2.2	105
151	Study on the formation and photocatalytic activity of titanate nanotubes synthesized via hydrothermal method. *Journal of Alloys and Compounds*, **2010**, 490, 436-442	5.7	102
150	Preparation of hybrid WO3/TiO2 nanotube photoelectrodes using anodization and wet impregnation: Improved water-splitting hydrogen generation performance. *International Journal of Hydrogen Energy*, **2013**, 38, 2156-2166	6.7	98
149	Fast-rate formation of TiO2 nanotube arrays in an organic bath and their applications in photocatalysis. *Nanotechnology*, **2010**, 21, 365603	3.4	94
148	Mechanisms of removal of heavy metal ions by ZnO particles. *Heliyon*, **2019**, 5, e01440	3.6	75
147	Incorporation of WO3 species into TiO2 nanotubes via wet impregnation and their water-splitting performance. *Electrochimica Acta*, **2013**, 87, 294-302	6.7	69
146	Influence of electrolyte pH on TiO2 nanotube formation by Ti anodization. *Journal of Alloys and Compounds*, **2009**, 485, 478-483	5.7	68
145	Extremely Fast Growth Rate of TiO2 Nanotube Arrays in Electrochemical Bath Containing H2O2. *Journal of the Electrochemical Society*, **2011**, 158, C397	3.9	66
144	Influence of anodisation voltage on the dimension of titania nanotubes. *Journal of Alloys and Compounds*, **2010**, 503, 359-364	5.7	65
143	Synthesis of (Bi0.5Na0.5)TiO3 (BNT) and Pr doped BNT using the soft combustion technique and its properties. *Journal of Alloys and Compounds*, **2011**, 509, 2936-2941	5.7	56
142	Study of WO3 incorporated C-TiO2 nanotubes for efficient visible light driven water splitting performance. *Journal of Alloys and Compounds*, **2013**, 547, 43-50	5.7	47
141	Fabrication of WO3 nanostructures by anodization method for visible-light driven water splitting and photodegradation of methyl orange. *Materials Science in Semiconductor Processing*, **2013**, 16, 303-310	4.3	43
140	Preparation and photoelectrochemical characterization of WO3-loaded TiO2 nanotube arrays via radio frequency sputtering. *Electrochimica Acta*, **2012**, 77, 128-136	6.7	40
139	Removal of congo red from water using quercetin modified α-Fe2O3 nanoparticles as effective nanoadsorbent. *Materials Chemistry and Physics*, **2016**, 180, 53-65	4.4	39
138	Formation of TiO2nanotubes via anodization and potential applications for photocatalysts, biomedical materials, and photoelectrochemical cell. *IOP Conference Series: Materials Science and Engineering*, **2011**, 21, 012002	0.4	37
137	Effect of Applied Potential on the Formation of Self-OrganizedTiO2Nanotube Arrays and Its Photoelectrochemical Response. *Journal of Nanomaterials*, **2011**, 2011, 1-7	3.2	37
136	Fe3O4/Ag2WO4: facile synthesis, characterization and visible light assisted photocatalytic activity. *New Journal of Chemistry*, **2017**, 41, 11722-11730	3.6	35

135	Photoelectrochemical Performance of Smooth TiO2Nanotube Arrays: Effect of Anodization Temperature and Cleaning Methods. *International Journal of Photoenergy*, **2012**, 2012, 1-11	2.1	35
134	Low-temperature crystallization of TiO2 nanotube arrays via hot water treatment and their photocatalytic properties under visible-light irradiation. *Materials Chemistry and Physics*, **2013**, 137, 991-998	4.4	34
133	Physical and electromagnetic properties of nanosized Gd substituted MgMn ferrites by solution combustion method. *Physica B: Condensed Matter*, **2015**, 461, 134-139	2.8	33
132	Effect of heat treatment on WO3-loaded TiO2 nanotubes for hydrogen generation via enhanced water splitting. *Materials Science in Semiconductor Processing*, **2013**, 16, 947-954	4.3	32
131	Effect of pH on TiO2 Nanoparticles via Sol-Gel Method. *Advanced Materials Research*, **2010**, 173, 184-189	0.5	31
130	Room temperature anodic deposition and shape control of one-dimensional nanostructured zinc oxide. *Journal of Alloys and Compounds*, **2009**, 476, 513-518	5.7	30
129	Single-step growth of carbon and potassium-embedded TiO2 nanotube arrays for efficient photoelectrochemical hydrogen generation. *Electrochimica Acta*, **2013**, 89, 585-593	6.7	29
128	Improved CO2 adsorption capacity and cyclic stability of CaO sorbents incorporated with MgO. *New Journal of Chemistry*, **2016**, 40, 231-237	3.6	28
127	Well-aligned TiO2 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. *Journal of Asian Ceramic Societies*, **2013**, 1, 203-219	2.4	27
126	Carbon-incorporated TiO2 photoelectrodes prepared via rapid-anodic oxidation for efficient visible-light hydrogen generation. *International Journal of Hydrogen Energy*, **2012**, 37, 10046-10056	6.7	27
125	Fabrication and photocatalysis of nanotubular C-doped TiO2 arrays: Impact of annealing atmosphere on the degradation efficiency of methyl orange. *Materials Science in Semiconductor Processing*, **2014**, 20, 1-6	4.3	26
124	Morphological and Structural Studies of Titanate and Titania Nanostructured Materials Obtained after Heat Treatments of Hydrothermally Produced Layered Titanate. *Journal of Nanomaterials*, **2012**, 2012, 1-10	3.2	24
123	Photocatalytic activity of MnO2 nanotubes grown on PET fibre under visible light irradiation. *Journal of Experimental Nanoscience*, **2016**, 11, 603-618	1.9	22
122	Synthesis, characterization and comparative study of nano-AgTiO2 against Gram-positive and Gram-negative bacteria under fluorescent light. *Food Control*, **2014**, 46, 480-487	6.2	22
121	The rapid growth of 3 microm long titania nanotubes by anodization of titanium in a neutral electrochemical bath. *Nanotechnology*, **2010**, 21, 055601	3.4	22
120	2.5 GHz BaTiO3 DIELECTRIC RESONATOR ANTENNA. *Progress in Electromagnetics Research*, **2007**, 76, 201-210	3.8	22
119	Improved super-hydrophobicity of eco-friendly coating from palm oil fuel ash (POFA) waste. *Surface and Coatings Technology*, **2018**, 337, 126-135	4.4	22
118	Dimensional control of titanium dioxide nanotube arrays with hydrogen peroxide content for high photoelectrochemical water splitting performance. *Micro and Nano Letters*, **2012**, 7, 443	0.9	21

117	INVESTIGATION OF THE CHARACTERISTICS OF BARIUM STRONTIUM TITANATE (BST) DIELECTRIC RESONATOR CERAMIC LOADED ON ARRAY ANTENNAS. *Progress in Electromagnetics Research*, **2011**, 121, 181-213	3.8	21
116	Structural characteristics and dielectric properties of neodymium doped barium titanate. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 167-173	2.1	21
115	Synthesis of V2O5 Nanoflakes on PET Fiber as Visible-Light-Driven Photocatalysts for Degradation of RhB Dye. *Journal of Catalysts*, **2014**, 2014, 1-7		20
114	Copper-incorporated titania nanotubes for effective lead ion removal. *Materials Science in Semiconductor Processing*, **2014**, 26, 620-631	4.3	19
113	Evaluation of the flexural properties and bioactivity of bioresorbable PLLA/PBSL/CNT and PLLA/PBSL/TiO2 nanocomposites. *Composites Part B: Engineering*, **2012**, 43, 1374-1381	10	19
112	Structural and morphology studies of praseodymium-doped bismuth titanate prepared using a wet chemical route. *Journal of Alloys and Compounds*, **2009**, 475, 758-761	5.7	19
111	Study on the structural and electromagnetic properties of Tm-substituted MgMn ferrites by a solution combustion method. *Journal of Magnetism and Magnetic Materials*, **2015**, 385, 433-440	2.8	17
110	Surface modification and bioactivity of anodic Ti6Al4V alloy. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 1696-705	1.3	17
109	OPTIMIZED SPUTTERING POWER TO INCORPORATE WO3 INTO CTiO2 NANOTUBES FOR HIGHLY VISIBLE PHOTORESPONSE PERFORMANCE. *Nano*, **2012**, 07, 1250051	1.1	17
108	Structural and electrical characteristic of crystalline barium titanate synthesized by low temperature aqueous method. *Journal of Materials Processing Technology*, **2008**, 195, 171-177	5.3	17
107	Characterization and Biodegradability of Rice Husk-Filled Polymer Composites. *Polymers*, **2020**, 13,	4.5	17
106	Photoelectrochemical behaviour of uniform growth TiO2 nanotubes via bubble blowing synthesised in ethylene glycol with hydrogen peroxide. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 4057-66	1.3	16
105	Physical Properties Study of TiO2 Nanoparticle Synthesis via Hydrothermal Method Using TiO2 Microparticles as Precursor. *Advanced Materials Research*, **2013**, 772, 365-370	0.5	15
104	Effect of radio frequency sputtering power on WTiO2 nanotubes to improve photoelectrochemical performance. *Journal of Materials Research*, **2012**, 27, 1695-1704	2.5	15
103	Bacteriostatic Activity of LLDPE Nanocomposite Embedded with Sol?Gel Synthesized TiOZnO Coupled Oxides at Various Ratios. *Polymers*, **2018**, 10,	4.5	15
102	The Influence of Lead Concentration on Photocatalytic Reduction of Pb(II) Ions Assisted by Cu-TiO2Nanotubes. *International Journal of Photoenergy*, **2014**, 2014, 1-7	2.1	14
101	Solgel hydrothermal synthesis of microstructured CaO-based adsorbents for CO2 capture. *RSC Advances*, **2015**, 5, 6051-6060	3.7	13
100	Phase formation and dielectric properties of Ba0.5Sr0.5TiO3 by slow injection solgel technique. *Journal of Materials Science*, **2011**, 46, 1806-1813	4.3	13

99	Photocatalytic activity of ZnO-MnO2 core shell nanocomposite in degradation of RhB dye. *Pigment and Resin Technology*, **2016**, 45, 408-418	1	13
98	A novel 5.8 GHz quasi-lumped element resonator antenna. *AEU - International Journal of Electronics and Communications*, **2013**, 67, 557-563	2.8	12
97	A Novel Solar Driven Photocatalyst: Well-Aligned Anodic WO3Nanotubes. *International Journal of Photoenergy*, **2013**, 2013, 1-6	2.1	12
96	Influence of pH on the physical and electromagnetic properties of MgMn ferrite synthesized by a solution combustion method. *Materials Characterization*, **2015**, 110, 109-115	3.9	11
95	Effect of Li-TiO2 nanoparticles incorporation in LDPE polymer nanocomposites for biocidal activity. *Nano Structures Nano Objects*, **2019**, 19, 100359	5.6	11
94	Photoelectrochemical properties of TiO2 nanotube arrays: effect of electrolyte pH and annealing temperature. *Journal of Experimental Nanoscience*, **2014**, 9, 230-239	1.9	11
93	Degradation of organic dye using ZnO nanorods based continuous flow water purifier. *Journal of Sol-Gel Science and Technology*, **2013**, 66, 399-405	2.3	11
92	Photocatalytic Degradation of Rhodamine B Using MnO2 and ZnO Nanoparticles. *Materials Science Forum*, **2013**, 756, 167-174	0.4	11
91	Antibacterial Activity of Ag-TiO2 Nanoparticles with Various Silver Contents. *Materials Science Forum*, **2013**, 756, 238-245	0.4	11
90	Improved Adhesion of Nonfluorinated ZnO Nanotriangle Superhydrophobic Layer on Glass Surface by Spray-Coating Method. *Journal of Nanomaterials*, **2018**, 2018, 1-11	3.2	10
89	Effect of cetyl trimethyl ammonium bromide concentration on structure, morphology and carbon dioxide adsorption capacity of calcium hydroxide based sorbents. *Applied Surface Science*, **2016**, 363, 586-592	6.7	9
88	Single Step Formation of C-TiO2Nanotubes: Influence of Applied Voltage and Their Photocatalytic Activity under Solar Illumination. *International Journal of Photoenergy*, **2013**, 2013, 1-8	2.1	9
87	SIMULATION AND EXPERIMENTAL INVESTIGATORS ON RECTANGULAR, CIRCULAR AND CYLINDRICAL DIELECTRIC RESONATOR ANTENNA. *Progress in Electromagnetics Research C*, **2009**, 7, 151-166	0.9	9
86	Morphological, Structural and Optical Properties Study of Transition Metal Ions Doped TiO2 Nanotubes Prepared by Hydrothermal Method. *International Journal of Materials Mechanics and Manufacturing*, **2013**, 314-318	0.3	9
85	Bactericidal Capacity of a Heterogeneous TiO/ZnO Nanocomposite against Multidrug-Resistant and Non-Multidrug-Resistant Bacterial Strains Associated with Nosocomial Infections. *ACS Omega*, **2020**, 5, 12027-12034	3.9	8
84	A novel (ZrCe) incorporated Ca(OH) 2 nanostructure as a durable adsorbent for CO 2 capture. *Materials Letters*, **2014**, 133, 204-207	3.3	8
83	Hydrothermal Synthesis and Characterisation of Cu Doped TiO2 Nanotubes for Photocatalytic Degradation of Methyl Orange. *Advanced Materials Research*, **2014**, 911, 126-130	0.5	8
82	Characterization and Photocatalytic Activity of Enhanced Copper-Silica-Loaded Titania Prepared via Hydrothermal Method. *Journal of Nanomaterials*, **2011**, 2011, 1-8	3.2	8

81	Floating ZnO QDs-Modified TiO/LLDPE Hybrid Polymer Film for the Effective Photodegradation of Tetracycline under Fluorescent Light Irradiation: Synthesis and Characterisation. *Molecules*, **2021**, 26,	4.8	8
80	Ca(OH)2 nano-pods: investigation on the effect of solvent ratio on morphology and CO2 adsorption capacity. *RSC Advances*, **2016**, 6, 36031-36038	3.7	8
79	Compositions and antimicrobial properties of binary ZnO-CuO nanocomposites encapsulated calcium and carbon from Calotropis gigantea targeted for skin pathogens. *Scientific Reports*, **2021**, 11, 99	4.9	8
78	The Influence of Hydrothermal Temperature on CaO-based Adsorbents Synthesized by Sol-Gel-Hydrothermal Method. *Procedia Environmental Sciences*, **2014**, 20, 71-78		7
77	Visible light photoelectrochemical performance of W-loaded TiO2 nanotube arrays: structural properties. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 3170-4	1.3	7
76	Characterization of Ba0.9Sr0.1TiO3 prepared by low temperature chloride aqueous synthesis. *Journal of Materials Science*, **2007**, 42, 2492-2498	4.3	7
75	Effect of metal/metal oxide coupling on the photoluminescence properties of ZnO microrods. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	7
74	Preparation of a Polydimethylsiloxane (PDMS)/Graphene-based Super-hydrophobic Coating. *Materials Today: Proceedings*, **2019**, 17, 752-760	1.4	6
73	Control of the structure, morphology and dielectric properties of bismuth titanate ceramics by praseodymium substitution using an intermediate fuel agent-assisted self-combustion synthesis. *Journal of Materials Science*, **2012**, 47, 4019-4027	4.3	6
72	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. *Ceramics International*, **2012**, 38, 3001-3009	5.1	6
71	TiO2 Nanotubes Arrays: Improved Photoelectrochemical Water Splitting by Adding Optimum Amount of Ethylene Glycol in KOH Electrolyte. *Nanoscience and Nanotechnology Letters*, **2013**, 5, 57-62	0.8	6
70	EFFECT OF Fe DEFICIENCY ON STRUCTURAL AND MAGNETIC PROPERTIES IN LOW TEMPERATURE SYNTHESIZED Mg-Mn FERRITE. *International Journal of Nanoscience*, **2011**, 10, 1257-1263	0.6	6
69	ZnO Surface Doping to Enhance the Photocatalytic Activity of Lithium Titanate/TiO2 for Methylene Blue Photodegradation under Visible Light Irradiation. *Surfaces*, **2020**, 3, 301-318	2.9	6
68	Preparation and Characterization of Low-Molecular-Weight Natural Rubber Latex via Photodegradation Catalyzed by Nano TiO *Polymers*, **2018**, 10,	4.5	6
67	Effect of Deposition Temperature on the Growth of Tungsten Oxide Layer Deposited on Polyethylene Terephthalate Fibers. *Procedia Engineering*, **2017**, 184, 695-707		5
66	Fe-TiO2 Nanoparticles by Hydrothermal Treatment with Photocatalytic Activity Enhancement. *Advanced Materials Research*, **2014**, 1024, 39-43	0.5	5
65	Heterojunction catalysts g-C3N4/-3ZnO-c-Zn2Ti3O8 with highly enhanced visible-light-driven photocatalytic activity. *Journal of Sol-Gel Science and Technology*, **2020**, 93, 354-370	2.3	5
64	Titanium Dioxide Nanotube Arrays for Biomedical Implant Materials and Nanomedicine Applications **2018**,		5

63	Biocompatibility and Cytotoxicity Study of Polydimethylsiloxane (PDMS) and Palm Oil Fuel Ash (POFA) Sustainable Super-Hydrophobic Coating for Biomedical Applications. *Polymers*, **2020**, 12,	4.5	4
62	Post-annealing treatment for Cu-TiO2nanotubes and their use in photocatalytic methyl orange degradation and Pb(II) heavy metal ions removal. *EPJ Applied Physics*, **2014**, 67, 10404	1.1	4
61	Visible light photoelectrochemical response of copper deposited titanium dioxide nanotubes. *EPJ Applied Physics*, **2012**, 59, 20402	1.1	4
60	A Novel and Simple Process for Nanosized Mg-Mn Ferrite Preparation from Solution Combustion Method and Study of its Characteristics. *International Journal of Applied Ceramic Technology*, **2013**, 10, 924-930	2	4
59	Degradation of Methyl Orange using TiO2 as Photocatalyst **2011**,		4
58	Fabrication of BaTiO3 thin films through ink-jet printing of TiO2 sol and soluble Ba salts. *Materials Letters*, **2007**, 61, 4536-4539	3.3	4
57	Study of TiO2 nanotubes as an implant application **2016**,		4
56	Nucleation of octahedral titanate crystals using waste anodic electrolyte from the anodization of TiO2 nanotubes. *CrystEngComm*, **2017**, 19, 6406-6411	3.3	3
55	Cellular Homeostasis and Antioxidant Response in Epithelial HT29 Cells on Titania Nanotube Arrays Surface. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 3708048	6.7	3
54	Structural and electrical properties of nickel iron thin film on copper substrate for dynamic random access memory applications. *Russian Journal of Electrochemistry*, **2016**, 52, 788-795	1.2	3
53	Photodegradation Improvement of Low-Density Polyethylene Thin Film with gC3N4/5ZnO/TiO2 Photocatalysts. *Solid State Phenomena*, **2017**, 264, 236-239	0.4	3
52	Photoelectrochemical response studies of W deposited TiO2 nanotubes via thermal evaporation technique. *Journal of Experimental Nanoscience*, **2014**, 9, 728-738	1.9	3
51	Effects of dispersion solvent on the formation of silicon nanoparticles synthesized via microemulsion route **2010**,		3
50	Nanotubular Transition Metal Oxide for Hydrogen Production. *Advanced Materials Research*, **2011**, 364, 494-499	0.5	3
49	Studies of Cell Growth on TiO2 Nanotubes. *Advanced Materials Research*, **2012**, 620, 325-329	0.5	3
48	Soft combustion technique: Solution combustion synthesis and low-temperature combustion synthesis; to prepare Bi4Ti3O12 powders and bulk ceramics. *Science of Sintering*, **2012**, 44, 211-221	0.7	3
47	Mesoporous TiO2 Implanted ZnO QDs for the Photodegradation of Tetracycline: Material Design, Structural Characterization and Photodegradation Mechanism. *Catalysts*, **2021**, 11, 1205	4	3
46	Effect of hybrid filler ratio and filler particle size on thermal conductivity and oil bleed of polydimethylsiloxane/Al2O3/ZnO liquid thermal filler for microelectronics packaging applications. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 861-874	2.1	3

45	ZnO incorporated antimicrobial LDPE: Effect of PVA-Neem Functionalization. *Materials Today: Proceedings*, **2019**, 17, 646-654	1.4	2
44	Structural and Antibacterial Properties of WO3/ZnO Hybrid Particles against Pathogenic Bacteria. *Materials Today: Proceedings*, **2019**, 17, 1008-1017	1.4	2
43	The bactericidal potential of LLDPE with TiO/ZnO nanocomposites against multidrug resistant pathogens associated with hospital acquired infections. *Journal of Biomaterials Science, Polymer Edition*, **2020**, 31, 1757-1769	3.5	2
42	Effect of Calcination Temperature on the Morphological and Phase Structure of Hydrothermally Synthesized Copper Ion Doped TiO2 Nanotubes. *Advanced Materials Research*, **2014**, 1024, 7-10	0.5	2
41	High Gain and High Directive of Antenna Arrays Utilizing Dielectric Layer on Bismuth Titanate Ceramics. *International Journal of Antennas and Propagation*, **2012**, 2012, 1-8	1.2	2
40	Effect of CVD Synthesis Parameters on the Growth of Catalyst-Free ZnO NRs. *Materials Science Forum*, **2013**, 756, 24-30	0.4	2
39	A novel process to produce nanoporous aluminum oxide using titration technique to prepare the neutral electrolyte. *Journal of Non-Crystalline Solids*, **2010**, 356, 1057-1060	3.9	2
38	SINGLE STEP SYNTHESIS OF MAGNESIUM FERRITE NANOCRYSTALLITES AND SOME OF ITS CHARACTERISTICS. *International Journal of Nanoscience*, **2009**, 08, 87-91	0.6	2
37	Preparation and Characterization of Cu Loaded TiO2 Nanotube Arrays and their Photocatalytic Activity. *Advanced Materials Research*, **2011**, 364, 377-381	0.5	2
36	Discovery of WO3/TiO2 Nanostructure Transformation by Controlling Content of NH4F to Enhance Photoelectrochemical Response. *Advanced Materials Research*, **2012**, 620, 173-178	0.5	2
35	Fuel-free low-temperature self-combustion synthesis and characterization of praseodymium-substituted bismuth titanate ceramics. *Journal of the Ceramic Society of Japan*, **2012** , 120, 58-63	1	2
34	Bactericidal potential of dual-ionic honeycomb-like ZnO-CuO nanocomposites from Calotropis gigantea against prominent pathogen associated with skin and surgical wound infections: Staphylococcus aureus. *Materials Science for Energy Technologies*, **2021**, 4, 383-390	5.2	2
33	Factor Affecting Geometry of TiO2 Nanotube Arrays (TNAs) in Aqueous and Organic Electrolyte **2018**,		2
32	Coupled Oxides/LLDPE Composites for Textile Effluent Treatment: Effect of Neem and PVA Stabilization. *Polymers*, **2020**, 12,	4.5	1
31	Effects of the Polyvinyl Alcohol (PVA) on the Synthesis of Alumina Fibers through Electrospinning Technique. *Advanced Materials Research*, **2010**, 173, 150-154	0.5	1
30	The Effect of Water Content on the Formation of TiO2 Nanotubes in Ethylene Glycol. *Advanced Materials Research*, **2010**, 173, 102-105	0.5	1
29	Synthesis and Growth Mechanism of Catalyst-Free ZnO Nanowires Using Chemical Vapour Deposition. *Advanced Materials Research*, **2012**, 620, 320-324	0.5	1
28	P-Incorporated TiO2 Nanotubes for Methyl Orange Degradation. *Advanced Materials Research*, **2012**, 620, 151-155	0.5	1

27	Single Step Combustion Synthesis for the Preparation of Bismuth Titanate Ceramics for Potential Applications. *Advanced Materials Research*, **2012**, 620, 429-434	0.5	1
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25	Wideband dielectric resonator antenna for C-Band application **2008**,		1
24	Non- oil bleed two-part silicone dispensable thermal gap filler with Al2O3 and AlN filler for effective heat dissipation in electronics packaging1-16		1
23	Effect of calcination temperature on physicochemical and antimicrobial properties of green synthesised ZnO/C/Ca nanocomposites using Calotropis gigantea leaves. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2021**, 12, 015013	1.6	1
22	bio-interaction responses and hemocompatibility of nano-based linear low-density polyethylene polymer embedded with heterogeneous TiO/ZnO nanocomposites for biomedical applications. *Journal of Biomaterials Science, Polymer Edition*, **2021**, 32, 1301-1311	3.5	1
21	Effect of carbonation temperature on CO2 adsorption capacity of CaO derived from micro/nanostructured aragonite CaCO3 **2016**,		1
20	Nano TiO2 for Biomedical Applications **2019**, 267-281		1
19	Study on the Effect of Dielectric Structure to the Cylindrical Dielectric Resonator Antenna (DRA). *Lecture Notes in Electrical Engineering*, **2014**, 457-462	0.2	0
18	Feed Coupling Comparative Assessment of Selected Microstrip Patch Antenna. *Lecture Notes in Electrical Engineering*, **2014**, 463-472	0.2	0
17	Effect of Carbon Reductant on the Formation of Copper Doped Titanium Oxycarbonitride by Carbothermal Reduction and Nitridation. *Minerals, Metals and Materials Series*, **2017**, 237-250	0.3	
16	Higher Photocatalytic Activity of P-Incorporated TiO2 Nanotube Arrays. *Advanced Materials Research*, **2015**, 1087, 452-456	0.5	
15	New-generation titania-based catalysts for photocatalytic hydrogen generation **2020**, 257-292		
14	Novel Aragonite CaCO3 Adsorbents: Synthesis, Characterization and CO2 Adsorption. *Advanced Materials Research*, **2014**, 911, 415-419	0.5	
13	Development of Ca(OH)2 Nanosorbent for Intermediate-High Temperature CO2 Capture via Wet Chemical Route in N,N-Dimethylformamide Solvent. *Advanced Materials Research*, **2014**, 911, 410-414	0.5	
12	P-Incorporated TiO2 Nanotube Arrays by Wet Impregnation Method for Efficient Photocatalytic Activity. *Advanced Materials Research*, **2014**, 1024, 31-34	0.5	
11	Carbon Dioxide Capture at Various Temperatures Using Ca(OH)2 Sorbent Fabricated by Sol-Gel Route in Ethanol Media. *Advanced Materials Research*, **2014**, 1024, 35-38	0.5	
10	Fabrication of Ca(OH)2 Nanostructures by Facile Solution □Based Synthesis at Various Reaction Temperatures as CO2 Adsorbent. *Materials Science Forum*, **2013**, 756, 175-181	0.4	

9	The Effect of Cu Concentration on TiO2 Nanotubes for Low Concentration of Pb(II) Removal. *Materials Science Forum*, **2013**, 756, 212-218	0.4
8	Synthesis and Properties Study of Pr Doped(Bi0.5Na0.5)TiO3 Produced Using the Soft Combustion Technique. *Advanced Materials Research*, **2010**, 148-149, 1619-1622	0.5
7	Microwave Properties of Bismuth Lanthanum Titanate Ceramic Substrate and its Effects with Various Shapes. *Journal of Electromagnetic Waves and Applications*, **2009**, 23, 415-425	1.3
6	TiO2 Foam: Characterization and Cell Adhesion. *Advanced Materials Research*, **2011**, 264-265, 1506-1513	0.5
5	Structural and Electrical Properties of Lanthanide Substituted-Bismuth Titanate Prepared by Low-Temperature Combustion Synthesis. *Advanced Materials Research*, **2012**, 545, 279-284	0.5
4	Genome-nanosurface interaction of titania nanotube arrays: evaluation of telomere, telomerase and NF-**B** activities on an epithelial cell model.. *RSC Advances*, **2022**, 12, 2237-2245	3.7
3	Efficiency of the novel TP/LLDPE nanocomposite in killing multi-drug resistant pathogens. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2021**, 12, 035018	1.6
2	Synthesis of dispensable PDMS/Al2O3/GO thermal gap filler and performance comparison with commercial thermal gap fillers for electronics packaging applications. *Materials Technology*,1-10	2.1
1	The Morphological Development of Ordered Nanotube Structure Due to the Anodization of Ti Foil with Axial and Radial Current Flow. *Current Nanoscience*, **2021**, 17, 109-119	1.4