Meenakshisundaram Swaminathan

List of Publications by Year in Descending Order

218 papers	8,124 citations	46 h-index	82 g-index
235 ext. papers	8,951 ext. citations	4.6 avg, IF	6.62 L-index

#	Paper	IF	Citations
218	Enhanced photodegradation of 2,4-dinitrophenol by n type TiO2/BiOI nanocomposite. *Journal of the Indian Chemical Society*, **2022**, 100337		1
217	Single metal atom oxide anchored Fe3O4-ED-rGO for highly efficient photodecomposition of antibiotic residues under visible light illumination. *Applied Catalysis B: Environmental*, **2022**, 300, 120740	21.8	1
216	Photocatalytic Degradation of Naphthol Green B Dye Using Coupled CdS-ZnMoO n UV-A Light Irradiation. *Journal of Nanoscience and Nanotechnology*, **2021**, 21, 1526-1536	1.3	0
215	Sol-gel synthesis, characterization, dielectric and anti-bacterial properties of soft ferromagnetic oxide system Gd4-xSr1+xFe5-xZnxO14+ [0 x 0.45]. *Inorganic Chemistry Communication*, **2021**, 125, 108432	3.1	1
214	Natural clay loaded Sm2MoO6 nanocomposite, a green catalyst, for multiple applications. *Nano Structures Nano Objects*, **2021**, 26, 100744	5.6	0
213	Redox additive based rGO-Dy2WO6-ZnO nanocomposite for enhanced electrochemical supercapacitor applications. *Synthetic Metals*, **2021**, 276, 116753	3.6	3
212	Eco-friendly hybrid Paper-AgBr-TiO for efficient photocatalytic aerobic mineralization of ethanol. *Chemosphere*, **2021**, 269, 128703	8.4	2
211	TiO2/ZnFe2O4 nanospheres: An efficient, photocatalytic, electrocatalytic and cytotoxicity applications. *Materials Today: Proceedings*, **2021**, 43, 2134-2139	1.4	
210	Effective visible light-driven ternary composite of ZnO nanorod decorated Bi2MoO6 in rGO for reduction of hexavalent chromium. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105467	6.8	5
209	Facile synthesis of sphere-like structured ZnInS-rGO-CuInS ternary heterojunction catalyst for efficient visible-active photocatalytic hydrogen evolution. *Journal of Colloid and Interface Science*, **2021**, 602, 669-679	9.3	6
208	Visible active TiO2-CdS-rGO ternary nanocomposite for enhanced photodecomposition of methylene blue. *Materials Today: Proceedings*, **2020**, 29, 1125-1128	1.4	2
207	Solar-light assisted photocatalytic mineralization of tartrazine dye using Bi2S3-ZnVO4 nanocomposite. *Materials Today: Proceedings*, **2020**, 29, 1104-1118	1.4	1
206	Novel Fe2V4O13/ZnO nano-heterojunction: Effective decomposition of methyl orange under solar light irradiation. *Materials Today: Proceedings*, **2020**, 29, 1199-1203	1.4	5
205	Efficient Photoreduction of Hexavalent Chromium Using the Reduced Graphene Oxide-SmMoO-TiO Catalyst under Visible Light Illumination. *ACS Omega*, **2020**, 5, 6414-6422	3.9	24
204	A green solid acid catalyst 12-tungstophosphoric acid H3[PW12O40] supported on g-C3N4 for synthesis of quinoxalines. *Research on Chemical Intermediates*, **2020**, 46, 4193-4209	2.8	11
203	Rational fabrication of needle with spherical shape ternary reduced Graphene Oxide-HoVO4-TiO2 photocatalyst for degradation of ibuprofen under visible light. *Applied Surface Science*, **2020**, 513, 145803	6.7	23
202	Novel Ag-TiO/ZnFeO Nanocomposites for Effective Photocatalytic, Electrocatalytic and Cytotoxicity Applications. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 709-718	1.3	5

201	Synthesis of New 4-Chloro-6-Methylpyrimidin-2-yl-Aminophosphonates as Potential DU145 and A549 Cancer Cell Inhibitors. *Letters in Drug Design and Discovery*, **2020**, 17, 396-410	0.8	0
200	Photo-electrocatalytic activity of praseodymium oxide modified titania nanorods. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-17	1.8	3
199	Solar active ZnO□u2O3 for energy and environmental applications. *Materials Chemistry and Physics* , **2020**, 256, 123624	4.4	3
198	Fabrication of effective visible-light-driven ternary Z-scheme ZnO-Ag-BiVO4 heterostructured photocatalyst for hexavalent chromium reduction. *Separation and Purification Technology*, **2020**, 252, 117446	8.3	29
197	Solar light-driven CeVO/ZnO nanoheterojunction for the mineralization of Reactive Orange 4. *Environmental Science and Pollution Research*, **2020**, 27, 43262-43273	5.1	5
196	Fabrication of Hybrid Fe2V4O13/ZnO Heterostructure for Effective Mineralization of Aqueous Methyl Orange Solution. *Journal of Cluster Science*, **2020**, 31, 839-849	3	5
195	Visible active reduced graphene oxide-BiVO4-ZnO ternary photocatalyst for efficient removal of ciprofloxacin. *Separation and Purification Technology*, **2020**, 233, 115996	8.3	97
194	Development of Cd3(PO4)2/rGO Coupled Semiconductor System for Effective Mineralization of Basic Violet 10 (BV 10) under UV-A Light. *Materials Today: Proceedings*, **2019**, 15, 471-480	1.4	1
193	Antibacterial and photocatalytic properties of the engineered nanoparticles against infectious pathogens. *Materials Today: Proceedings*, **2019**, 15, 669-676	1.4	1
192	Hydrothermal fabrication of ternary NrGO-TiO2/ZnFe2O4 nanocomposites for effective photocatalytic and fuel cell applications. *Materials Today: Proceedings*, **2019**, 15, 429-437	1.4	6
191	Green approach to the preparation of reduced graphene oxide for photocatalytic and supercapacitor application. *Optik*, **2019**, 190, 21-27	2.5	13
190	UV-A Light Driven Activated Charcoal Supported Bi□□ZnO Nanocomposites; Hydrothermal Synthesis and Their Enhanced Photocatalytic and Self Cleaning Applications. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 5089-5099	1.3	3
189	Efficient photocatalytic degradation of ciprofloxacin and bisphenol A under visible light using Gd2WO6 loaded ZnO/bentonite nanocomposite. *Applied Surface Science*, **2019**, 481, 1109-1119	6.7	63
188	Base-Free Tandem Cyclooxidative Synthesis of Quinazolinones with GdxMn□nO (M= Mo, V, W) Catalysts. *ChemistrySelect*, **2019**, 4, 3440-3445	1.8	3
187	Graphene oxide□e2V4O13 hybrid material as highly efficient hetero-Fenton catalyst for degradation of methyl orange. *International Journal of Industrial Chemistry*, **2019**, 10, 77-87	3.1	8
186	CuWO□Nanoparticles: Investigation of Dielectric, Electrochemical Behaviour and Photodegradation of Pharmaceutical Waste. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 7026-7034	1.3	3
185	One-Pot Synthesis of Tetra Substituted Imidazoles Catalyzed by Fly Ash Supported Bi2O3-ZnO. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 8163-8171	1.3	5
184	Wool roving textured reduced graphene oxide-HoVO4-ZnO nanocomposite for photocatalytic and supercapacitor performance. *Electrochimica Acta*, **2019**, 328, 135062	6.7	11

183	Antimicrobial Activity of the Engineered Nanoparticles Used as Coating Agents **2019**, 549-563		9
182	Visible active natural hematite ore incorporated ZnO composite for efficient photodegradation of ciprofloxacin. *International Journal of Environmental Analytical Chemistry*, **2019**, 1-14	1.8	2
181	Ho2WO6/ZnO nanoflakes for photo□electrochemical and self cleaning applications. *Materials Science in Semiconductor Processing*, **2019**, 90, 78-86	4.3	5
180	Visible active reduced graphene oxide loaded titania for photodecomposition of ciprofloxacin and its antibacterial activity. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 564, 23-30	5.1	49
179	An affordable photocatalyst for pharmaceuticals and superior electrocatalyst for methanol oxidation □A dual role by CuWO4 anchored bentonite clay. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 563, 148-159	5.1	12
178	Eco-friendly preparation of zinc oxide nanoparticles using Tabernaemontana divaricata and its photocatalytic and antimicrobial activity. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 181, 53-58	6.7	206
177	Semiconductor Oxide Nanomaterials as Catalysts for Multiple Applications **2018**, 197-207		2
176	Solar Photocatalytic and Self-Cleaning Performances of HoVO□Doped ZnO. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 178-187	1.3	2
175	Ce@TiO2 nanocomposites: An efficient, stable and affordable photocatalyst for the photodegradation of diclofenac sodium. *Journal of Alloys and Compounds*, **2018**, 735, 728-734	5.7	33
174	Highly active Rare Earth (RE) Vanadate, Tungstate loaded ZnO (RE= Gd, Dy and Ho) Nanocomposites for Electrochemical methanol Oxidation-A Comparative study for Fuel cell Application. *Materials Today: Proceedings*, **2018**, 5, 15342-15347	1.4	4
173	Sol-Gel Synthesis of Ce Sr Fe Zn O [0 □0.45] Superparamagnetic Oxide Systems and Its Magnetic, Dielectric, and Drug Delivery Properties. *ACS Omega*, **2018**, 3, 16509-16518	3.9	5
172	Efficacy of photoluminescence and photocatalytic properties of Mn doped ZrO2 nanoparticles by facile precipitation method. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 18258-18270	2.1	11
171	Photocatalytic degradation of methylene blue by ZnO/NiFe2O4 nanoparticles. *Applied Surface Science*, **2018**, 455, 195-200	6.7	150
170	Natural sunlight active GdVO 4 □ZnO nanomaterials for photo□electrocatalytic and self□cleaning applications. *Journal of Water Process Engineering*, **2017**, 17, 149-160	6.7	33
169	Solar light driven degradation of post tanning water at heterostructured BiVO4-ZnO mixed oxide catalyst interface. *Surfaces and Interfaces*, **2017**, 8, 147-153	4.1	10
168	TiO-PANI/Cork composite: A new floating photocatalyst for the treatment of organic pollutants under sunlight irradiation. *Journal of Environmental Sciences*, **2017**, 60, 3-13	6.4	58
167	Hydrothermal fabrication of natural sun light active Dy2WO6 doped ZnO and its enhanced photo-electrocatalytic activity and self-cleaning properties. *RSC Advances*, **2017**, 7, 7509-7518	3.7	27
166	An efficient pilot scale solar treatment method for dye industry effluent using nano-ZnO. *Journal of Water Process Engineering*, **2017**, 16, 28-34	6.7	18

165	Photophysical and Photoprototropic Characteristics of 2-Aminobenzothiazole in Cyclodextrin Medium. *Journal of Fluorescence*, **2017**, 27, 689-699	2.4	1
164	Heterostructured dysprosium vanadate ZnO for photo-electrocatalytic and self-cleaning applications. *Materials Science in Semiconductor Processing*, **2017**, 71, 84-92	4.3	4
163	Facile Synthesis of Spinel Nanocrystalline ZnFe2O4: Enhanced Photocatalytic and Microbial Applications. *Materials Science and Applied Chemistry*, **2017**, 34,		3
162	Photocatalytic synthesis of 2-methylquinolines with TiO 2 Wackherr and Home Prepared TiO 2 A comparative study. *Arabian Journal of Chemistry*, **2017**, 10, S28-S34	5.9	8
161	Sn loaded AuZnO photocatalyst for the degradation of AR 18 dye under UV-A light. *Journal of Industrial and Engineering Chemistry*, **2016**, 33, 51-58	6.3	37
160	Superior photocatalytic, electrocatalytic, and self-cleaning applications of Fly ash supported ZnO nanorods. *Materials Chemistry and Physics*, **2016**, 183, 191-200	4.4	29
159	Nanoribbon-structured CdWO4ZnO for multiple applications. *Emerging Materials Research*, **2016**, 5, 264-276	1.4	7
158	Heteroarchitectured AgBi2O3ZnO as a bifunctional nanomaterial. *RSC Advances*, **2016**, 6, 20247-20257	3.7	25
157	Facile synthesis of Y2S3/ZnO nanocomposite and its catalytic performance in the degradation of Methylene Blue using UV-A/solar illumination. *Journal of Water Process Engineering*, **2016**, 12, 32-40	6.7	6
156	Investigation on association behavior between 1-Aminoisoquinoline and Cyclodextrin in solution and solid state. *Journal of Molecular Liquids*, **2016**, 220, 918-925	6	10
155	Synthesis, characterization and daylight active photocatalyst with antiphotocorrosive property for detoxification of azo dyes. *Separation and Purification Technology*, **2016**, 164, 170-181	8.3	19
154	Hierarchically structured bentonite loaded Bi2O3-ZnO and its multiple applications. *Surfaces and Interfaces*, **2016**, 5, 30-38	4.1	17
153	Visible light photocatalytic degradation of wattle extract: effect of mixing CdWO4 over a semiconductive ZnO photocatalyst. *RSC Advances*, **2015**, 5, 60926-60937	3.7	16
152	Preparation, characterization and molecular modeling studies of the inclusion complex of Caffeine with Beta-cyclodextrin. *Journal of Molecular Structure*, **2015**, 1099, 616-624	3.4	39
151	Preparation and characterization of host-guest system between inosine and cyclodextrin through inclusion mode. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 147, 151-7	4.4	18
150	Effect of operational parameters on photodegradation of Direct Blue 53 by silver loaded-titania under ultraviolet and solar illumination. *Materials Science in Semiconductor Processing*, **2015**, 36, 149-155	4.3	5
149	Efficient, Rapid, and Solvent-Free Synthesis of Substituted Bis(indolyl)methanes Using Sulfated Anatase Titania as a Solid Acid Catalyst. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2015**, 45, 1380-1386		2
148	Photophysical and photoprototropic characteristics of phenothiazine in aqueous and cyclodextrin media. *Journal of Luminescence*, **2015**, 168, 245-255	3.8	5

147	Photocatalytic detoxification of Acid Red 18 by modified ZnO catalyst under sunlight irradiation. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 138, 31-7	4.4	20
146	A study of mechanism and operational parameters on solar light-induced degradation of Reactive Red 120 dye with AgBr-loaded TiO2. *Research on Chemical Intermediates*, **2015**, 41, 1227-1241	2.8	14
145	BiCl3-loaded montmorillonite K10: a new solid acid catalyst for solvent-free synthesis of bis(indolyl)methanes. *Research on Chemical Intermediates*, **2015**, 41, 5353-5364	2.8	13
144	Advanced Oxidation Processes for Wastewater Treatment 2014. *International Journal of Photoenergy*, **2015**, 2015, 1-1	2.1	4
143	Synthesis, characterization and catalytic activity of co-doped Ag–Au–ZnO for MB dye degradation under UV-A light. *Materials Science in Semiconductor Processing*, **2014**, 22, 83-91	4.3	100
142	Facile Construction of Heterostructured BiVO4/ZnO and Its Dual Application of Greater Solar Photocatalytic Activity and Self-Cleaning Property. *Industrial & Engineering Chemistry Research*, **2014**, 53, 8346-8356	3.9	100
141	Sonochemical synthesis and characterization of barium fluoride–titanium dioxide nanocomposites and activity for photodegradation of Trypan Blue dye. *Materials Science in Semiconductor Processing* , **2014**, 27, 654-664	4.3	6
140	Facile hydrothermal synthesis of a highly efficient solar active Pr6O11/ZnO photocatalyst and its multiple applications. *RSC Advances*, **2014**, 4, 27642-27653	3.7	22
139	Facile fabrication of highly efficient, reusable heterostructured Ag/ZnO/CdO and its twin applications of dye degradation under natural sunlight and self-cleaning. *RSC Advances*, **2014**, 4, 4353-4362	3.7	68
138	Self-assembly, photophysical and electrochemical properties and activation of the TiO2 photocatalyst by perylene bisimide. *New Journal of Chemistry*, **2014**, 38, 1573-1580	3.6	13
137	Recent developments in heterogeneous catalyzed environmental remediation processes. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 1898-910	1.3	53
136	ZnS–Ag/ZnO as an Excellent UV-Light-Active Photocatalyst for the Degradation of AV 7, AB 1, RR 120, and RY 84 Dyes: Synthesis, Characterization, and Catalytic Applications. *Industrial & Engineering Chemistry Research*, **2014**, 53, 12953-12963	3.9	43
135	Novel Sr–Au/ZnO: Synthesis, characterization and photocatalytic activity. *Superlattices and Microstructures*, **2014**, 75, 701-715	2.8	8
134	Synthesis of Pd co-doped nano-TiO2/SO42− and its synergetic effect on the solar photodegradation of Reactive Red 120 dye. *Materials Science in Semiconductor Processing*, **2014**, 25, 163-172	4.3	18
133	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. *International Journal of Photoenergy*, **2014**, 2014, 1-21	2.1	83
132	Product Selectivity in Solar Photocatalytic Dehydrazonation of Aromatic Hydrazones by TiO2-Based Catalysts. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2014**, 44, 96-100		5
131	Advanced Oxidation Processes for Wastewater Treatment 2013. *International Journal of Photoenergy*, **2014**, 2014, 1-2	2.1	4
130	Solar-light-assisted photocatalytic degradation of NBB dye on Zr-codoped Ag/ZnO catalyst. *Research on Chemical Intermediates*, **2013**, 39, 3181-3197	2.8	19

129	Highly active Zr co-doped Ag□ZnO photocatalyst for the mineralization of Acid Black 1 under UV-A light illumination. *Materials Chemistry and Physics*, **2013**, 141, 114-120	4.4	26
128	Ag2S-ZnO--an efficient photocatalyst for the mineralization of Acid Black 1 with UV light. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 105, 314-9	4.4	21
127	Solar active photocatalyst for effective degradation of RR 120 with dye sensitized mechanism. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 115, 175-82	4.4	18
126	Synergism and effect of operational parameters on solar photocatalytic degradation of an azo dye (Direct Yellow 4) using activated carbon-loaded zinc oxide. *Materials Science in Semiconductor Processing*, **2013**, 16, 1046-1051	4.3	43
125	Highly efficient, solar active, and reusable photocatalyst: Zr-loaded Ag-ZnO for Reactive Red 120 dye degradation with synergistic effect and dye-sensitized mechanism. *Langmuir*, **2013**, 29, 939-49	4	256
124	Preparation and characterization of carbon nanoparticles loaded TiO2 and its catalytic activity driven by natural sunlight. *Solar Energy Materials and Solar Cells*, **2013**, 108, 205-212	6.4	76
123	An efficient nanosized strontium fluoride-loaded titania for azo dye (RY 84) degradation with solar light. *Materials Science in Semiconductor Processing*, **2013**, 16, 859-867	4.3	16
122	Highly active WO3□Ag□ZnO photocatalyst driven by day light illumination. *Superlattices and Microstructures*, **2013**, 54, 155-171	2.8	52
121	□Ag2S□ZnO as a novel sunshine photocatalyst for the effective degradation of RR 120 dye. *Powder Technology*, **2013**, 241, 49-59	5.2	21
120	Photocatalytic degradation of Reactive Orange 4 by surface fluorinated TiO2 Wackherr under UV-A light. *Separation and Purification Technology*, **2013**, 108, 51-56	8.3	8
119	Synthesis and characterization of cerium□ilver co-doped zinc oxide as a novel sunlight-driven photocatalyst for effective degradation of Reactive Red 120 dye. *Materials Science in Semiconductor Processing*, **2013**, 16, 1070-1078	4.3	46
118	The simple, template free synthesis of a Bi2S3-ZnO heterostructure and its superior photocatalytic activity under UV-A light. *Dalton Transactions*, **2013**, 42, 5338-47	4.3	99
117	Synthesis and characterization of novel WO3 loaded Ag□ZnO and its photocatalytic activity. *Materials Research Bulletin*, **2013**, 48, 63-69	5.1	29
116	Enhanced photocatalytic performance of WO3 loaded Ag□ZnO for Acid Black 1 degradation by UV-A light. *Journal of Molecular Catalysis A*, **2013**, 366, 54-63		54
115	The simple hydrothermal synthesis of Ag-ZnO-SnO2 nanochain and its multiple applications. *Dalton Transactions*, **2013**, 42, 16365-74	4.3	36
114	Facile Synthesis of 2-Methylquinolines From Anilines on Mesoporous N-Doped TiO2 Under UV and Visible Light. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **2013**, 43, 500-508		5
113	Advanced Oxidation Processes for Wastewater Treatment. *International Journal of Photoenergy*, **2013**, 2013, 1-3	2.1	18
112	Solar photocatalytic degradation of Naphthol Blue Black. *Desalination and Water Treatment*, **2013**, 51, 6572-6579		12

111	An Expeditious and Solvent-Free Synthesis of Substituted Pyrroles Using Sulfated Anatase-Titania as a Solid Acid Catalyst. *Bulletin of the Chemical Society of Japan*, **2013**, 86, 370-375	5.1	5
110	Solar active fire clay based hetero-Fenton catalyst over a wide pH range for degradation of Acid Violet 7. *Journal of Environmental Sciences*, **2012**, 24, 529-35	6.4	15
109	AgBr□ZnO □An efficient nano-photocatalyst for the mineralization of Acid Black 1 with UV light. *Separation and Purification Technology*, **2012**, 85, 35-44	8.3	155
108	Superior photocatalytic activity of bimetallic Cd-Ag-ZnO for the degradation of azo dyes under UV light. *Emerging Materials Research*, **2012**, 1, 157-163	1.4	6
107	Facile Fabrication of Heterostructured Bi2O3□ZnO Photocatalyst and Its Enhanced Photocatalytic Activity. *Journal of Physical Chemistry C*, **2012**, 116, 26306-26312	3.8	220
106	A Combined-Redox Synthesis of 2-Alkylbenzimidazoles from 2-Nitroanilines by Semiconductor Photocatalysis. *Synthetic Communications*, **2012**, 42, 1500-1508	1.7	10
105	Photodegradation of Acid Violet 7 with AgBr-ZnO under highly alkaline conditions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 99, 160-5	4.4	49
104	Solar active nano-TiO2 for mineralization of Reactive Red 120 and Trypan Blue: 1st Nano Update. *Arabian Journal of Chemistry*, **2012**, 5, 447-452	5.9	22
103	Photochemical synthesis and antimicrobial screening of some substituted dihydrobenzofurans. *Research on Chemical Intermediates*, **2012**, 38, 2393-2400	2.8	2
102	An efficient nanostructured Ag2S□ZnO for degradation of Acid Black 1 dye under day light illumination. *Separation and Purification Technology*, **2012**, 96, 204-213	8.3	78
101	Photodegradation of an azo dye with reusable SrF2□TiO2 under UV light and influence of operational parameters. *Separation and Purification Technology*, **2012**, 101, 98-106	8.3	23
100	Synthesis of Ce co-doped Ag□ZnO photocatalyst with excellent performance for NBB dye degradation under natural sunlight illumination. *Catalysis Science and Technology*, **2012**, 2, 2319	5.5	156
99	Nano N-TiO2 mediated selective photocatalytic synthesis of quinaldines from nitrobenzenes. *RSC Advances*, **2012**, 2, 2848-2855	3.7	42
98	Host□guest complexation between 5-aminoisoquinoline and □-cyclodextrin and its effect on spectral and prototropic characteristics. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2012**, 73, 99-108		1
97	Mesoporous nitrogen doped nano titania□A green photocatalyst for the effective reductive cleavage of azoxybenzenes to amines or 2-phenyl indazoles in methanol. *Applied Catalysis A: General*, **2012**, 413-414, 213-222	5.1	22
96	An Efficient Protocol for the Green and Solvent-Free Synthesis of Azine Derivatives at Room Temperature Using BiCl3-Loaded Montmorillonite K10 as a New Recyclable Heterogeneous Catalyst. *ISRN Organic Chemistry*, **2012**, 2012, 595868		3
95	TiO2□SO42□as a novel solid acid catalyst for highly efficient, solvent free and easy synthesis of chalcones under microwave irradiation. *Catalysis Communications*, **2011**, 12, 375-379	3.2	48
94	One-pot photocatalytic synthesis of quinaldines from nitroarenes with Au loaded TiO nanoparticles. *Catalysis Communications*, **2011**, 12, 389-393	3.2	36

93	A Recyclable Solid Acid Catalyst Sulfated Titania for Easy Synthesis of Quinoxaline and Dipyridophenazine Derivatives under Microwave Irradiation. *Bulletin of the Chemical Society of Japan*, **2011**, 84, 1261-1266	5.1	16
92	Novel Redox Photocatalyst Pt□TiO2for the Synthesis of 2-Methylquinolines from Nitroarenes. *Bulletin of the Chemical Society of Japan*, **2011**, 84, 953-959	5.1	4
91	Solvent free synthesis of quinoxalines, dipyridophenazines and chalcones under microwave irradiation with sulfated Degussa titania as a novel solid acid catalyst. *Journal of Molecular Catalysis A*, **2011**, 350, 16-25		28
90	Cost effective one-pot photocatalytic synthesis of quinaldines from nitroarenes by silver loaded TiO2. *Journal of Molecular Catalysis A*, **2011**, 351, 52-61		22
89	Influence of operational parameters on photocatalytic degradation of a genotoxic azo dye Acid Violet 7 in aqueous ZnO suspensions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 81, 739-44	4.4	118
88	Effect of inclusion complexation on the photophysical behavior of diphenylamine in □cyclodextrin medium: a study by electronic spectra. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 83, 207-12	4.4	12
87	An expeditious and solvent free synthesis of azine derivatives using sulfated anatase□titania as a novel solid acid catalyst. *Catalysis Communications*, **2011**, 16, 50-55	3.2	27
86	A Study on Host□Guest Complexation of 5-Amino-2-Mercaptobenzimidazole with □Cyclodextrin. *Journal of Solution Chemistry*, **2011**, 40, 803-817	1.8	20
85	An efficient reusable and antiphotocorrosive nano ZnO for the mineralization of Reactive Orange 4 under UV-A light. *Separation and Purification Technology*, **2011**, 80, 119-124	8.3	69
84	An efficient nanostructured ZnO for dye sensitized degradation of Reactive Red 120 dye under solar light. *Solar Energy Materials and Solar Cells*, **2011**, 95, 942-950	6.4	159
83	Nanostructured AgBr loaded TiO2: An efficient sunlight active photocatalyst for degradation of Reactive Red 120. *Chemistry Central Journal*, **2011**, 5, 46		31
82	Product Selectivity in Semiconductor-Mediated Dehydrazonation of Benzophenone Hydrazone. *Synthetic Communications*, **2011**, 41, 1929-1937	1.7	17
81	A convenient method for the N-formylation of amines at room temperature using TiO2-P25 or sulfated titania. *Journal of Molecular Catalysis A*, **2011**, 334, 98-102		54
80	Preparation, characterization and photocatalytic activity of acidic sulfated nano titania for the degradation of Reactive Orange 4 under UV light. *Separation and Purification Technology*, **2011**, 77, 245-250	8.3	17
79	An easy one-step photocatalytic synthesis of 1-aryl-2-alkylbenzimidazoles by platinum loaded TiO2 nanoparticles under UV and solar light. *Tetrahedron Letters*, **2011**, 52, 3386-3392	2	25
78	Fluorescence Quenching of 2-Amino-9-Hydroxy Fluorene by Chloromethanes. *Spectroscopy Letters*, **2011**, 44, 251-257	1.1	
77	An efficient protocol for the green synthesis of quinoxaline and dipyridophenazine derivatives at room temperature using sulfated titania. *Catalysis Communications*, **2010**, 11, 997-1002	3.2	40
76	Influence of operational parameters on photodegradation of Acid Black 1 with ZnO. *Desalination and Water Treatment*, **2010**, 24, 132-139		84

75	Ag□TiO2/Clay Composite Photocatalyst for the Oxidation□Cyclization of 1,2-Diamine Compounds with Propylene Glycol or Alcohols. *Bulletin of the Chemical Society of Japan*, **2010**, 83, 831-837	5.1	15
74	Fluorimetric and prototropic studies on the inclusion complexation of 3,3□diaminodiphenylsulphone with beta-cyclodextrin and its unusual behavior. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2010**, 77, 473-7	4.4	26
73	Highly efficient activated carbon loaded TiO2 for photo defluoridation of pentafluorobenzoic acid. *Journal of Molecular Catalysis A*, **2010**, 317, 89-96		33
72	A recyclable and highly effective sulfated TiO2-P25 for the synthesis of quinoxaline and dipyridophenazine derivatives at room temperature. *Journal of Organometallic Chemistry*, **2010**, 695, 2572-2577	2.3	30
71	Au-doped TiO2 nanoparticles for selective photocatalytic synthesis of quinaldines from anilines in ethanol. *Tetrahedron Letters*, **2010**, 51, 4911-4914	2	34
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