

Meenakshisundaram Swaminathan

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218
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235
ext. papers

8,951
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
218	Nano-Ag particles doped TiO ₂ for efficient photodegradation of Direct azo dyes. <i>Journal of Molecular Catalysis A</i> , 2006 , 258, 124-132		380
217	Photochemical oxidation of reactive azo dye with UV/H ₂ O ₂ process. <i>Dyes and Pigments</i> , 2004 , 62, 269-275	4.6	296
216	Highly efficient, solar active, and reusable photocatalyst: Zr-loaded Ag-ZnO for Reactive Red 120 dye degradation with synergistic effect and dye-sensitized mechanism. <i>Langmuir</i> , 2013 , 29, 939-49	4	256
215	Decolourisation of Reactive Orange 4 by Fenton and photo-Fenton oxidation technology. <i>Dyes and Pigments</i> , 2004 , 63, 315-321	4.6	237
214	Photocatalytic decolourisation and degradation of Reactive Orange 4 by TiO ₂ -UV process. <i>Dyes and Pigments</i> , 2006 , 68, 133-142	4.6	232
213	Facile Fabrication of Heterostructured Bi ₂ O ₃ /ZnO Photocatalyst and Its Enhanced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 26306-26312	3.8	220
212	The effect of operational parameters on the photocatalytic degradation of acid red 18 by ZnO. <i>Separation and Purification Technology</i> , 2007 , 56, 101-107	8.3	220
211	Solar photocatalytic degradation of a reactive azo dye in TiO ₂ -suspension. <i>Solar Energy Materials and Solar Cells</i> , 2004 , 81, 439-457	6.4	219
210	Eco-friendly preparation of zinc oxide nanoparticles using <i>Tabernaemontana divaricata</i> and its photocatalytic and antimicrobial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 181, 53-58	6.7	206
209	An efficient nanostructured ZnO for dye sensitized degradation of Reactive Red 120 dye under solar light. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 942-950	6.4	159
208	Synthesis of Ce co-doped Ag/ZnO photocatalyst with excellent performance for NBB dye degradation under natural sunlight illumination. <i>Catalysis Science and Technology</i> , 2012 , 2, 2319	5.5	156
207	AgBr/ZnO: An efficient nano-photocatalyst for the mineralization of Acid Black 1 with UV light. <i>Separation and Purification Technology</i> , 2012 , 85, 35-44	8.3	155
206	Photocatalytic degradation of methylene blue by ZnO/NiFe ₂ O ₄ nanoparticles. <i>Applied Surface Science</i> , 2018 , 455, 195-200	6.7	150
205	TiO ₂ -UV photocatalytic oxidation of Reactive Yellow 14: effect of operational parameters. <i>Journal of Hazardous Materials</i> , 2006 , 135, 78-86	12.8	147
204	Combination effect of ZnO and activated carbon for solar assisted photocatalytic degradation of Direct Blue 53. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 727-734	6.4	128
203	The influence of inorganic oxidants and metal ions on semiconductor sensitized photodegradation of 4-fluorophenol. <i>Chemical Engineering Journal</i> , 2007 , 128, 51-57	14.7	122
202	Influence of operational parameters on photocatalytic degradation of a genotoxic azo dye Acid Violet 7 in aqueous ZnO suspensions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 81, 739-44	4.4	118

201	Optimization of photocatalytic degradation conditions of Direct Red 23 using nano-Ag doped TiO ₂ . <i>Separation and Purification Technology</i> , 2008 , 62, 648-653	8.3	115
200	Optimization of solar photocatalytic degradation conditions of Reactive Yellow 14 azo dye in aqueous TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2006 , 246, 154-161		107
199	Synthesis, characterization and catalytic activity of co-doped Ag ₂ Au/ZnO for MB dye degradation under UV-A light. <i>Materials Science in Semiconductor Processing</i> , 2014 , 22, 83-91	4.3	100
198	Facile Construction of Heterostructured BiVO ₄ /ZnO and Its Dual Application of Greater Solar Photocatalytic Activity and Self-Cleaning Property. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8346-8356	3.9	100
197	The simple, template free synthesis of a Bi ₂ S ₃ -ZnO heterostructure and its superior photocatalytic activity under UV-A light. <i>Dalton Transactions</i> , 2013 , 42, 5338-47	4.3	99
196	Visible active reduced graphene oxide-BiVO ₄ -ZnO ternary photocatalyst for efficient removal of ciprofloxacin. <i>Separation and Purification Technology</i> , 2020 , 233, 115996	8.3	97
195	Influence of operational parameters on photodegradation of Acid Black 1 with ZnO. <i>Desalination and Water Treatment</i> , 2010 , 24, 132-139		84
194	Recent Developments in Homogeneous Advanced Oxidation Processes for Water and Wastewater Treatment. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-21	2.1	83
193	Solvent and pH dependence of absorption and fluorescence spectra of 5-aminoindazole: biprotonic phototautomerism of singly protonated species. <i>Journal of the American Chemical Society</i> , 1983 , 105, 6223-6228	16.4	80
192	An efficient nanostructured Ag ₂ S/ZnO for degradation of Acid Black 1 dye under day light illumination. <i>Separation and Purification Technology</i> , 2012 , 96, 204-213	8.3	78
191	Preparation and characterization of carbon nanoparticles loaded TiO ₂ and its catalytic activity driven by natural sunlight. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 108, 205-212	6.4	76
190	Advanced oxidative decolourisation of Reactive Yellow 14 azo dye by UV/TiO ₂ , UV/H ₂ O ₂ , UV/H ₂ O ₂ /Fe ²⁺ processes: comparative study. <i>Separation and Purification Technology</i> , 2006 , 48, 297-303	8.3	76
189	Solar assisted photocatalytic and photochemical degradation of Reactive Black 5. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1371-6	12.8	71
188	An efficient reusable and antiphotocorrosive nano ZnO for the mineralization of Reactive Orange 4 under UV-A light. <i>Separation and Purification Technology</i> , 2011 , 80, 119-124	8.3	69
187	Facile fabrication of highly efficient, reusable heterostructured Ag ₂ ZnO/TiO ₂ and its twin applications of dye degradation under natural sunlight and self-cleaning. <i>RSC Advances</i> , 2014 , 4, 4353-4362	3.7	68
186	Photoassisted hetero-Fenton mineralisation of azo dyes by Fe(II)-Al ₂ O ₃ catalyst. <i>Chemical Engineering Journal</i> , 2009 , 153, 9-15	14.7	66
185	Enhanced heterogeneous ferrioxalate photo-fenton degradation of reactive orange 4 by solar light. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 89, 61-74	6.4	66
184	Efficient photocatalytic degradation of ciprofloxacin and bisphenol A under visible light using Gd ₂ WO ₆ loaded ZnO/bentonite nanocomposite. <i>Applied Surface Science</i> , 2019 , 481, 1109-1119	6.7	63

183	Characterization of Ag ₂ O catalyst and its photocatalytic activity on 4-acetylphenol degradation. <i>Catalysis Communications</i> , 2008 , 9, 262-268	3.2	59
182	TiO ₂ -PANI/Cork composite: A new floating photocatalyst for the treatment of organic pollutants under sunlight irradiation. <i>Journal of Environmental Sciences</i> , 2017 , 60, 3-13	6.4	58
181	Enhanced photocatalytic performance of WO ₃ loaded Ag ₂ O for Acid Black 1 degradation by UV-A light. <i>Journal of Molecular Catalysis A</i> , 2013 , 366, 54-63		54
180	A convenient method for the N-formylation of amines at room temperature using TiO ₂ -P25 or sulfated titania. <i>Journal of Molecular Catalysis A</i> , 2011 , 334, 98-102		54
179	Recent developments in heterogeneous catalyzed environmental remediation processes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 1898-910	1.3	53
178	Photocatalytic activity of surface fluorinated TiO ₂ -P25 in the degradation of Reactive Orange 4. <i>Journal of Hazardous Materials</i> , 2009 , 172, 914-21	12.8	53
177	Highly active WO ₃ /Ag ₂ O photocatalyst driven by day light illumination. <i>Superlattices and Microstructures</i> , 2013 , 54, 155-171	2.8	52
176	Photodegradation of Acid Violet 7 with AgBr-ZnO under highly alkaline conditions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 99, 160-5	4.4	49
175	Visible active reduced graphene oxide loaded titania for photodecomposition of ciprofloxacin and its antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 564, 23-30	5.1	49
174	TiO ₂ /BO ₄ as a novel solid acid catalyst for highly efficient, solvent free and easy synthesis of chalcones under microwave irradiation. <i>Catalysis Communications</i> , 2011 , 12, 375-379	3.2	48
173	A comparative study of quantum yield and electrical energy per order (E(E _o)) for advanced oxidative decolourisation of reactive azo dyes by UV light. <i>Journal of Hazardous Materials</i> , 2007 , 144, 316-22	12.8	48
172	Synthesis and characterization of cerium/silver co-doped zinc oxide as a novel sunlight-driven photocatalyst for effective degradation of Reactive Red 120 dye. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1070-1078	4.3	46
171	Photovalorisation of pentafluorobenzoic acid with platinum doped TiO ₂ . <i>Journal of Hazardous Materials</i> , 2009 , 167, 763-9	12.8	46
170	Photoassisted Fenton mineralisation of Acid Violet 7 by heterogeneous Fe(III)/Al ₂ O ₃ catalyst. <i>Catalysis Communications</i> , 2007 , 8, 981-986	3.2	44
169	Effect of oxidants and metal ions on photodefluoridation of pentafluorobenzoic acid with ZnO. <i>Separation and Purification Technology</i> , 2007 , 56, 192-198	8.3	44
168	ZnS/Ag ₂ O 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. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 12953-12963	3.9	43
167	Synergism and effect of operational parameters on solar photocatalytic degradation of an azo dye (Direct Yellow 4) using activated carbon-loaded zinc oxide. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 1046-1051	4.3	43
166	Highly solar active Fe(III) immobilised alumina for the degradation of Acid Violet 7. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 857-863	6.4	43

165	Nano N-TiO ₂ mediated selective photocatalytic synthesis of quinaldines from nitrobenzenes. <i>RSC Advances</i> , 2012 , 2, 2848-2855	3.7	42
164	An efficient protocol for the green synthesis of quinoxaline and dipyridophenazine derivatives at room temperature using sulfated titania. <i>Catalysis Communications</i> , 2010 , 11, 997-1002	3.2	40
163	Solar driven decolourisation of Reactive Yellow 14 by advanced oxidation processes in heterogeneous and homogeneous media. <i>Dyes and Pigments</i> , 2007 , 72, 137-143	4.6	40
162	Preparation, characterization and molecular modeling studies of the inclusion complex of Caffeine with Beta-cyclodextrin. <i>Journal of Molecular Structure</i> , 2015 , 1099, 616-624	3.4	39
161	Sn loaded Au/ZnO photocatalyst for the degradation of AR 18 dye under UV-A light. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 51-58	6.3	37
160	The simple hydrothermal synthesis of Ag-ZnO-SnO ₂ nanochain and its multiple applications. <i>Dalton Transactions</i> , 2013 , 42, 16365-74	4.3	36
159	One-pot photocatalytic synthesis of quinaldines from nitroarenes with Au loaded TiO ₂ nanoparticles. <i>Catalysis Communications</i> , 2011 , 12, 389-393	3.2	36
158	Au-doped TiO ₂ nanoparticles for selective photocatalytic synthesis of quinaldines from anilines in ethanol. <i>Tetrahedron Letters</i> , 2010 , 51, 4911-4914	2	34
157	Static and dynamic model for 4-aminodiphenyl fluorescence quenching by carbontetrachloride in hexane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 1839-43	4.4	34
156	Natural sunlight active GdVO ₄ /ZnO nanomaterials for photoelectrocatalytic and self-cleaning applications. <i>Journal of Water Process Engineering</i> , 2017 , 17, 149-160	6.7	33
155	Highly efficient activated carbon loaded TiO ₂ for photo defluoridation of pentafluorobenzoic acid. <i>Journal of Molecular Catalysis A</i> , 2010 , 317, 89-96		33
154	Ce@TiO ₂ nanocomposites: An efficient, stable and affordable photocatalyst for the photodegradation of diclofenac sodium. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 728-734	5.7	33
153	Nanostructured AgBr loaded TiO ₂ : An efficient sunlight active photocatalyst for degradation of Reactive Red 120. <i>Chemistry Central Journal</i> , 2011 , 5, 46		31
152	A recyclable and highly effective sulfated TiO ₂ -P25 for the synthesis of quinoxaline and dipyridophenazine derivatives at room temperature. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 2572-2577	2.3	30
151	Superior photocatalytic, electrocatalytic, and self-cleaning applications of Fly ash supported ZnO nanorods. <i>Materials Chemistry and Physics</i> , 2016 , 183, 191-200	4.4	29
150	Synthesis and characterization of novel WO ₃ loaded Ag/ZnO and its photocatalytic activity. <i>Materials Research Bulletin</i> , 2013 , 48, 63-69	5.1	29
149	Energy-efficient regeneration of ketones from oximes using semiconductor photocatalysts. <i>Applied Catalysis A: General</i> , 2009 , 358, 259-263	5.1	29
148	Fluorimetric and prototropic studies on the inclusion complexation of 2-amino and 4-aminodiphenyl ethers with β -cyclodextrin: Unusual behavior of 4-aminodiphenyl ether. <i>Journal of Luminescence</i> , 2007 , 127, 713-720	3.8	29

- 147 Fluorimetric study on molecular recognition of beta-cyclodextrin with 2-amino-9-fluorenone. *Journal of Fluorescence*, **2006**, 16, 501-10 2.4 29
- 146 Solvatochromism and prototropism of diaminodiphenyl sulphones and 2-aminodiphenyl sulphone: a comparative study by electronic spectra. *Journal of Photochemistry and Photobiology A: Chemistry*, **1995**, 90, 109-116 4.7 29
- 145 Unusual Spectral Shifts of Bis(4-aminophenyl)ether. *Bulletin of the Chemical Society of Japan*, **1996**, 69, 2447-2452 5.1 29
- 144 Photoluminescence of 4,4'-Diaminobiphenyl. *Bulletin of the Chemical Society of Japan*, **1995**, 68, 2797-2802 5.2 29
- 143 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
- 142 Solvent free synthesis of quinoxalines, dipyrrophenazines 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
- 141 A simple one pot nano titania mediated green synthesis of 2-alkylbenzimidazoles and indazole from aromatic azides under UV and solar light. *Catalysis Communications*, **2009**, 11, 280-284 3.2 28
- 140 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
- 139 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
- 138 The fluorescence spectra of dianions of β and γ aphthylamines. *Journal of Photochemistry and Photobiology*, **1985**, 28, 87-91 27
- 137 Highly active Zr co-doped Ag₃ZnO photocatalyst for the mineralization of Acid Black 1 under UV-A light illumination. *Materials Chemistry and Physics*, **2013**, 141, 114-120 4.4 26
- 136 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
- 135 Inclusion complexation and photoprotropic behaviour of 3-amino-5-nitrobenzothiazole with beta-cyclodextrin. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 69, 371-7 4.4 26
- 134 A Green Chemical Synthesis of 2-Alkylbenzimidazoles from 1,2-Phenylenediamine and Propylene Glycol, or Alcohols Mediated by Ag₃TiO₂/Clay Composite Photocatalyst. *Chemistry Letters*, **2007**, 36, 1060-1061 1.7 26
- 133 Heteroarchitected Ag₃Bi₂O₃ZnO as a bifunctional nanomaterial. *RSC Advances*, **2016**, 6, 20247-20257 3.7 25
- 132 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
- 131 Dual Fluorescence and Photoprotropic Characteristics of 2-Aminodiphenylsulphone- β -Cyclodextrin Inclusion Complex. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2005**, 53, 149-154 25
- 130 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

129	Rational fabrication of needle with spherical shape ternary reduced Graphene Oxide-HoVO ₄ -TiO ₂ photocatalyst for degradation of ibuprofen under visible light. <i>Applied Surface Science</i> , 2020 , 513, 145803	6.7	23
128	Photodegradation of an azo dye with reusable SrF ₂ /TiO ₂ under UV light and influence of operational parameters. <i>Separation and Purification Technology</i> , 2012 , 101, 98-106	8.3	23
127	Inclusion complexation of 2-amino-7-bromofluorene by beta-cyclodextrin: spectral characteristics and the effect of pH. <i>Journal of Fluorescence</i> , 2004 , 14, 751-6	2.4	23
126	Some effects of phosphate buffers on the excited state prototropic equilibria of indazole. <i>Journal of Photochemistry and Photobiology</i> , 1984 , 26, 49-56		23
125	Facile hydrothermal synthesis of a highly efficient solar active Pr ₆ O ₁₁ /ZnO photocatalyst and its multiple applications. <i>RSC Advances</i> , 2014 , 4, 27642-27653	3.7	22
124	Solar active nano-TiO ₂ for mineralization of Reactive Red 120 and Trypan Blue: 1st Nano Update. <i>Arabian Journal of Chemistry</i> , 2012 , 5, 447-452	5.9	22
123	Mesoporous nitrogen doped nano titania/Ag green photocatalyst for the effective reductive cleavage of azoxybenzenes to amines or 2-phenyl indazoles in methanol. <i>Applied Catalysis A: General</i> , 2012 , 413-414, 213-222	5.1	22
122	Cost effective one-pot photocatalytic synthesis of quinaldines from nitroarenes by silver loaded TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2011 , 351, 52-61		22
121	Stoichiometrically different inclusion complexes of 2-aminofluorene and 2-amino-9-hydroxyfluorene in beta-cyclodextrin: a spectrofluorimetric study. <i>Journal of Fluorescence</i> , 2006 , 16, 697-704	2.4	22
120	Ag ₂ S-ZnO--an efficient photocatalyst for the mineralization of Acid Black 1 with UV light. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 105, 314-9	4.4	21
119	Ag ₂ S/ZnO as a novel sunshine photocatalyst for the effective degradation of RR 120 dye. <i>Powder Technology</i> , 2013 , 241, 49-59	5.2	21
118	Temperature programmed desorption study of the adsorption and absorption of hydrogen on and in Cu(111). <i>Applied Surface Science</i> , 1997 , 119, 267-274	6.7	21
117	Spectral characteristics of 4-aminodiphenyl ether in different solvents and at various pH values. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996 , 93, 103-108	4.7	21
116	Luminescence characteristics of 4,4'-diaminodiphenyl methane in different solvents and at various pH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996 , 52, 1785-1792	4.4	21
115	Photocatalytic detoxification of Acid Red 18 by modified ZnO catalyst under sunlight irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 138, 31-7	4.4	20
114	A Study on Host-Guest Complexation of 5-Amino-2-Mercaptobenzimidazole with β-Cyclodextrin. <i>Journal of Solution Chemistry</i> , 2011 , 40, 803-817	1.8	20
113	Solar-light-assisted photocatalytic degradation of NBB dye on Zr-codoped Ag/ZnO catalyst. <i>Research on Chemical Intermediates</i> , 2013 , 39, 3181-3197	2.8	19
112	Synthesis, characterization and daylight active photocatalyst with antiphotocorrosive property for detoxification of azo dyes. <i>Separation and Purification Technology</i> , 2016 , 164, 170-181	8.3	19

111	An efficient pilot scale solar treatment method for dye industry effluent using nano-ZnO. <i>Journal of Water Process Engineering</i> , 2017 , 16, 28-34	6.7	18
110	Preparation and characterization of host-guest system between inosine and β -cyclodextrin through inclusion mode. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 147, 151-7	4.4	18
109	Synthesis of Pd co-doped nano-TiO ₂ /ZnO and its synergetic effect on the solar photodegradation of Reactive Red 120 dye. <i>Materials Science in Semiconductor Processing</i> , 2014 , 25, 163-172	4.7	18
108	Solar active photocatalyst for effective degradation of RR 120 with dye sensitized mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 115, 175-82	4.4	18
107	Advanced Oxidation Processes for Wastewater Treatment. <i>International Journal of Photoenergy</i> , 2013 , 2013, 1-3	2.1	18
106	Conformational Studies of Some 1-Hetero-2,6-diphenylcyclohexan-4-one Oximes Using NMR Spectra-Evidence for Boat Form Contributions to trans-2,6-Diphenyl Systems. <i>Bulletin of the Chemical Society of Japan</i> , 1997 , 70, 29-35	5.1	18
105	Spectral and Photoprototropic Characteristics of 4-Aminobiphenyl in β -Cyclodextrin. <i>Collection of Czechoslovak Chemical Communications</i> , 2004 , 69, 748-758		18
104	Product Selectivity in Semiconductor-Mediated Dehydrazonation of Benzophenone Hydrazone. <i>Synthetic Communications</i> , 2011 , 41, 1929-1937	1.7	17
103	Preparation, characterization and photocatalytic activity of acidic sulfated nano titania for the degradation of Reactive Orange 4 under UV light. <i>Separation and Purification Technology</i> , 2011 , 77, 245-250	8.3	17
102	Spectral characteristics of 2-aminodiphenylamine in different solvents and at various pH values. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001 , 57, 1361-7	4.4	17
101	Study of solvent dependence and kinetics of proton transfer reaction of 9-phenanthrol in the excited singlet state. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1984 , 947		17
100	Hierarchically structured bentonite loaded Bi ₂ O ₃ -ZnO and its multiple applications. <i>Surfaces and Interfaces</i> , 2016 , 5, 30-38	4.1	17
99	Visible light photocatalytic degradation of wattle extract: effect of mixing CdWO ₄ over a semiconductive ZnO photocatalyst. <i>RSC Advances</i> , 2015 , 5, 60926-60937	3.7	16
98	An efficient nanosized strontium fluoride-loaded titania for azo dye (RY 84) degradation with solar light. <i>Materials Science in Semiconductor Processing</i> , 2013 , 16, 859-867	4.3	16
97	A Recyclable Solid Acid Catalyst Sulfated Titania for Easy Synthesis of Quinoxaline and Dipyridophenazine Derivatives under Microwave Irradiation. <i>Bulletin of the Chemical Society of Japan</i> , 2011 , 84, 1261-1266	5.1	16
96	Excited state proton transfer kinetics of 4-hydroxydiphenyl ether. <i>International Journal of Chemical Kinetics</i> , 1997 , 29, 861-867	1.4	16
95	Unusual luminescence characteristics of aminobiphenyls. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002 , 58, 2931-40	4.4	16
94	Solar active fire clay based hetero-Fenton catalyst over a wide pH range for degradation of Acid Violet 7. <i>Journal of Environmental Sciences</i> , 2012 , 24, 529-35	6.4	15

93	Ag ⁺ /TiO ₂ /Clay Composite Photocatalyst for the Oxidation/Cyclization of 1,2-Diamine Compounds with Propylene Glycol or Alcohols. <i>Bulletin of the Chemical Society of Japan</i> , 2010 , 83, 831-837	5.1	15
92	Spectrofluorimetric Study on Inclusion Complexation of 2-Amino-6-fluorobenzothiazole with β -Cyclodextrin. <i>Collection of Czechoslovak Chemical Communications</i> , 2008 , 73, 147-160		15
91	Enhancement of UV-assisted photo-Fenton degradation of reactive orange 4 using TiO ₂ -P25 nanoparticles. <i>Separation and Purification Technology</i> , 2007 , 54, 241-247	8.3	15
90	Study of solvent dependence and kinetics of proton transfer reactions of 3-hydroxybiphenyl in the excited singlet state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994 , 84, 13-18	4.7	15
89	A study of the nuclear conformation and the proton transfer reaction of 3,5-diphenylpyrazole in the excited state. <i>Journal of Photochemistry and Photobiology</i> , 1983 , 21, 245-250		15
88	A study of mechanism and operational parameters on solar light-induced degradation of Reactive Red 120 dye with AgBr-loaded TiO ₂ . <i>Research on Chemical Intermediates</i> , 2015 , 41, 1227-1241	2.8	14
87	A study of solvatochromism and proton transfer kinetics of 2,2'-dihydroxybiphenyl. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997 , 102, 217-221	4.7	14
86	Photo-Fenton defluoridation of pentafluorobenzoic acid with UV-C light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 188, 392-398	4.7	14
85	Green approach to the preparation of reduced graphene oxide for photocatalytic and supercapacitor application. <i>Optik</i> , 2019 , 190, 21-27	2.5	13
84	BiCl ₃ -loaded montmorillonite K10: a new solid acid catalyst for solvent-free synthesis of bis(indolyl)methanes. <i>Research on Chemical Intermediates</i> , 2015 , 41, 5353-5364	2.8	13
83	Self-assembly, photophysical and electrochemical properties and activation of the TiO ₂ photocatalyst by perylene bisimide. <i>New Journal of Chemistry</i> , 2014 , 38, 1573-1580	3.6	13
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