Seong-Soo Hong

List of Publications by Year
in descending order

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54 papers	1,079 citations	516710 16 h-index	434195 31 g-index
54 all docs	54 docs citations	54 times ranked	1410 citing authors

#	Article	IF	Citations
1	Synthesis of nanosized TiO2/SiO2 particles in the microemulsion and their photocatalytic activity on the decomposition of p-nitrophenol. Catalysis Today, 2003, 87, 99-105.	4.4	145
2	Synthesis of TiO2 particles by reverse microemulsion method using nonionic surfactants with different hydrophilic and hydrophobic group and their photocatalytic activity. Catalysis Today, 2005, 101, 283-290.	4.4	119
3	BiVO4 photocatalysis design and applications to oxygenÂproductionÂand degradation of organic compounds: a review. Environmental Chemistry Letters, 2020, 18, 1779-1801.	16.2	100
4	Simultaneous removal of NO and carbon particulates over lanthanoid perovskite-type catalysts. Catalysis Today, 2000, 63, 397-404.	4.4	79
5	Synthesis of LaCoO3 nanoparticles by microwave process and their photocatalytic activity under visible light irradiation. Journal of Industrial and Engineering Chemistry, 2013, 19, 157-160.	5.8	58
6	Catalytic combustion of benzene over metal oxides supported on SBA-15. Journal of Industrial and Engineering Chemistry, 2008, 14, 779-784.	5.8	57
7	Photocatalytic decomposition of 4-nitrophenol on Ti-containing MCM-41. Catalysis Today, 2005, 101, 299-305.	4.4	54
8	Preparations of nanosized TiO in reverse microemulsion and their photocatalytic activity. Solar Energy Materials and Solar Cells, 2005, 88, 389-401.	6.2	27
9	Catalytic combustion of benzene over supported metal oxides catalysts. Korean Journal of Chemical Engineering, 2003, 20, 440-444.	2.7	25
10	Synthesis and characterization of poly(HEMAâ€‹coâ€MMA)â€‹gâ€POSS nanocomposites by combination of reversible addition fragmentation chain transfer polymerization and click chemistry. Journal of Applied Polymer Science, 2013, 127, 1569-1577.	2.6	25
11	A Facile Route towards the Synthesis of Fe₃O₄/Graphene Oxide Nanocomposites for Environmental Applications. Molecular Crystals and Liquid Crystals, 2014, 599, 43-50.	0.9	23
12	Photocatalytic decomposition of p-nitrophenol over titanium dioxides prepared in water-in-carbon dioxide microemulsion. Catalysis Today, 2004, 93-95, 871-876.	4.4	22
13	Synthesis of nanosized TiO2 particles via ultrasonic irradiation and their photocatalytic activity. Reaction Kinetics and Catalysis Letters, 2005, 85, 261-268.	0.6	22
14	Catalytic removal of carbon particulates over MgF<Subscript>2</Subscript>O<Subscript>4</Subscript> catalysts. Reaction Kinetics and Catalysis Letters, 2005, 84, 311-317.	0.6	20
15	Photocatalytic decomposition of methylene blue over yttrium ion doped Ti-SBA-15 catalysts. Catalysis Today, 2011, 164, 395-398.	4.4	18
16	Facile solvothermal synthesis of monoclinic-tetragonal heterostructured BiVO4 for photodegradation of rhodamine B. Catalysis Communications, 2020, 136, 105920.	3.3	18
17	Synthesis of titanium dioxides in water-in-carbon dioxide microemulsion and their photocatalytic activity. Materials Letters, 2003, 57, 2975-2979.	2.6	17
18	Formation of TiO2 nanoparticles in water-in-CO2 microemulsions. Chemical Communications, 2002, , 1528-1529.	4.1	16

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19	Hydrothermal synthesis of titanium dioxide using acidic peptizing agents and their photocatalytic activity. Korean Journal of Chemical Engineering, 2005, 22, 370-374.	2.7	15
20	The Effect of Solvent on the Synthesis of BiVO4 Using Solvothermal Method and Their Photocatalytic Activity Under Visible Light Irradiation. Topics in Catalysis, 2017, 60, 782-788.	2.8	15
21	Hydrothermal synthesis of titanium dioxides from peroxotitanate solution using basic additive and their photocatalytic activity on the decomposition of orange II. Journal of Physics and Chemistry of Solids, 2008, 69, 1457-1460.	4.0	14
22	Fabrication and adsorption properties of novel magnetic graphene oxide composites for removal of methylene blue. Molecular Crystals and Liquid Crystals, 2017, 644, 160-167.	0.9	13
23	Synthesis of BiVO4 Nanoparticles Using Microwave Process and Their Photocatalytic Activity Under Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2017, 17, 2690-2694.	0.9	12
24	Catalytic combustion of chlorobenzene over V2O5/TiO2catalysts prepared by the precipitation-deposition method. Reaction Kinetics and Catalysis Letters, 2004, 82, 303-310.	0.6	11
25	Title is missing!. Reaction Kinetics and Catalysis Letters, 2003, 80, 145-151.	0.6	10
26	Characteristic profiles of the inclusion complex of omeprazole/peracylated-Î²-cyclodextrin formed in supercritical carbon dioxide. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 72, 207-212.	1.6	10
27	Catalytic reduction of no over perovskite-type catalysts. Korean Journal of Chemical Engineering, 1997, 14, 491-497.	2.7	9
28	Preparation of nanosized TiO2 particles via ultrasonic irradiation and their photocatalytic activity on the decomposition of 4-nitrophenol. Korean Journal of Chemical Engineering, 2005, 22, 547-551.	2.7	9
29	Photocatalytic decomposition of orange II over TiO2-loaded on SBA-15 prepared using a microwave process. Reaction Kinetics and Catalysis Letters, 2007, 91, 223-231.	0.6	9
30	Effect of Pretreatment Conditions on the Catalytic Activity of Benzene Combustion Over SBA-15-Supported Copper Oxides. Topics in Catalysis, 2010, 53, 543-549.	2.8	9
31	Synthesis of Pb-Substituted LaCoO₃ Nanoparticles by Microwave Process and Their Photocatalytic Activity Under Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2013, 13, 6160-6164.	0.9	9
32	The Synthesis of N-(Pyridin-2-yl)-Benzamides from Aminopyridine and Trans-Beta-Nitrostyrene by Fe2Ni-BDC Bimetallic Metalâ€“Organic Frameworks. Processes, 2019, 7, 789.	2.8	8
33	Synthesis of PbMoO₄ Nanoparticles by Microwave-Assisted Hydrothermal Process and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2014, 14, 8502-8506.	0.9	7
34	Synthesis and Characterization of Quinoxaline Derivative as Organic Semiconductors for Organic Thin-Film Transistors. Journal of Nanoscience and Nanotechnology, 2017, 17, 5530-5538.	0.9	7
35	Synthesis of Needle-Like BiVO₄ with Improved Photocatalytic Activity Under Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2019, 19, 7696-7701.	0.9	7
36	Effect of synthesis temperature on the preparation of titanium dioxides by the hydrothermal method. Photocatalytic activity. Reaction Kinetics and Catalysis Letters, 2005, 84, 101-108.	0.6	6

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37	Hydrothermal synthesis of titanium dioxides using basic peptizing agents and their photocatalytic activity. Chemical Engineering Science, 2007, 62, 5154-5159.	3.8	5
38	Effect of synthesis conditions on the preparation of titanium dioxides from peroxotitanate solution and their photocatalytic activity. Reaction Kinetics and Catalysis Letters, 2008, 93, 333-341.	0.6	5
39	Critical Value and Control of Complexation of Polylactide Blends Using Optical Purity. Composite Interfaces, 2009, 16, 307-317.	2.3	5
40	Redox-responsive core cross-linked micelles of poly(ethylene oxide)-b-poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	0.9	5
41	Synthesis and Characterization of Poly(oxyethylene methacrylate) Coated TiO2NanoparticlesviaSurface Thiol-Lactam Initiated Radical Polymerization. Molecular Crystals and Liquid Crystals, 2012, 565, 88-97.	0.9	4
42	New A-D-A type small molecules based on benzodithiophene derivative for organic solar cells. Molecular Crystals and Liquid Crystals, 2018, 660, 66-71.	0.9	4
43	Synthesis of nanosized TiO2/SiO2 particles using microwave processes and their photocatalytic activity on the decomposition of orange II. Reaction Kinetics and Catalysis Letters, 2007, 91, 233-240.	0.6	3
44	Effect of pretreatment conditions on the catalytic combustion of benzene over SBA-15-supported copper oxide prepared using the precipitation-deposition method. Reaction Kinetics and Catalysis Letters, 2008, 93, 219-226.	0.6	3
45	Synthesis and Property of Polypyrrole/Multi-Walled Carbon Nanotube Nanocomposites in Supercritical Carbon Dioxide. Molecular Crystals and Liquid Crystals, 2010, 532, 72/[488]-82/[498].	0.9	3
46	Synthesis and Properties of Poly(N-vinylcarbazole) Covalently Functionalized Zinc Oxide Nanocomposites. Molecular Crystals and Liquid Crystals, 2015, 618, 95-102.	0.9	3
47	Synthesis of Pb x Cr1â^'x MoO4 oxides using microwave process and their photocatalytic activity under visible light irradiation. Research on Chemical Intermediates, 2016, 42, 367-377.	2.7	3
48	Synthesis of Lead-Doped SrTiO3 Perovskite Type Oxides and Their Photocatalytic Activity Under Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2019, 19, 1204-1207.	0.9	3
49	Catalytic combustion of benzene over CuO/CeO2 catalysts prepared using the precipitationâ€"deposition method. Research on Chemical Intermediates, 2011, 37, 1345-1354.	2.7	2
50	Diketopyrrolopyrrole-based Small Molecule for Application in Solution Processed Organic Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 598, 111-119.	0.9	2
51	Robust preparation of core-shell type silica/polymer nanocomposites by using surface-initiated ARGET ATRP. Journal of the Korean Physical Society, 2015, 66, 87-91.	0.7	2
52	Preparation of colorless polyimide hybrid films with enhanced optical, chemical and thermal resistance. Molecular Crystals and Liquid Crystals, 2019, 679, 87-94.	0.9	1
53	Synthesis of Cerium Ion Doped Ti-SBA-15 Catalysts and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2020, 20, 5804-5807.	0.9	1
54	Synthesis and characterization of transparent high-refractive index polyurethanes. Molecular Crystals and Liquid Crystals, 2018, 663, 174-181.	0.9	0