

# Man Sig Lee

## List of Publications by Year in descending order

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70  
papers

1,290  
citations

516710

16  
h-index

361022

35  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1679  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas hydrate formation process for pre-combustion capture of carbon dioxide. <i>Energy</i> , 2010, 35, 2729-2733.	8.8	227
2	Synthesis of photocatalytic nanosized TiO <sub>2</sub> @Ag particles with sol-gel method using reduction agent. <i>Journal of Molecular Catalysis A</i> , 2005, 242, 135-140.	4.8	176
3	Synthesis of nanosized TiO <sub>2</sub> /SiO <sub>2</sub> particles in the microemulsion and their photocatalytic activity on the decomposition of p-nitrophenol. <i>Catalysis Today</i> , 2003, 87, 99-105.	4.4	145
4	Synthesis of TiO <sub>2</sub> particles by reverse microemulsion method using nonionic surfactants with different hydrophilic and hydrophobic group and their photocatalytic activity. <i>Catalysis Today</i> , 2005, 101, 283-290.	4.4	119
5	Supported Pd nanoparticle catalysts with high activities and selectivities in liquid-phase furfural hydrogenation. <i>Fuel</i> , 2018, 226, 607-617.	6.4	60
6	Synthesis of Ti-containing SBA-15 materials and studies on their photocatalytic decomposition of orange II. <i>Catalysis Today</i> , 2008, 131, 437-443.	4.4	33
7	Highly dispersed Pd catalysts supported on various carbons for furfural hydrogenation. <i>Catalysis Today</i> , 2020, 350, 71-79.	4.4	30
8	Hydrothermal synthesis of titanium dioxides from peroxotitanate solution using different amine group-containing organics and their photocatalytic activity. <i>Catalysis Today</i> , 2007, 124, 88-93.	4.4	29
9	Preparations of nanosized TiO in reverse microemulsion and their photocatalytic activity. <i>Solar Energy Materials and Solar Cells</i> , 2005, 88, 389-401.	6.2	27
10	Effect of Oxide Supports on the Activity of Pd Based Catalysts for Furfural Hydrogenation. <i>Catalysts</i> , 2020, 10, 837.	3.5	25
11	Surfactant effects on SF <sub>6</sub> hydrate formation. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 55-59.	9.4	23
12	Photocatalytic decomposition of p-nitrophenol over titanium dioxides prepared in water-in-carbon dioxide microemulsion. <i>Catalysis Today</i> , 2004, 93-95, 871-876.	4.4	22
13	Structure-dependent catalytic properties of mesoporous cobalt oxides in furfural hydrogenation. <i>Applied Catalysis A: General</i> , 2019, 583, 117125.	4.3	22
14	Kinetic study of catalytic CO <sub>2</sub> hydration by metal-substituted biomimetic carbonic anhydrase model complexes. <i>Royal Society Open Science</i> , 2019, 6, 190407.	2.4	21
15	Synthesis of TiO <sub>2</sub> /SiO <sub>2</sub> nanoparticles in a water-in-carbon-dioxide microemulsion and their photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2005, 31, 379-389.	2.7	19
16	Synthesis of titanium dioxides in water-in-carbon dioxide microemulsion and their photocatalytic activity. <i>Materials Letters</i> , 2003, 57, 2975-2979.	2.6	17
17	Liquid-Phase Hydrogenation of Maleic Acid over Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts Prepared via Deposition-Precipitation Method. <i>Energies</i> , 2019, 12, 284.	3.1	17
18	Effect of surface properties of TiO <sub>2</sub> on the performance of Pt/TiO <sub>2</sub> catalysts for furfural hydrogenation. <i>RSC Advances</i> , 2021, 12, 860-868.	3.6	16

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19	Catalytic Oxidation of Benzene Over LaCoO <sub>3</sub> ; Perovskite-Type Oxides Prepared Using Microwave Process. Journal of Nanoscience and Nanotechnology, 2015, 15, 652-655.	0.9	15
20	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
21	Liquid Hydrogenation of Maleic Anhydride with Pd/C Catalyst at Low Pressure and Temperature in Batch Reactor. Journal of Nanoscience and Nanotechnology, 2015, 15, 290-294.	0.9	13
22	Interfacial effect of Pd supported on mesoporous oxide for catalytic furfural hydrogenation. Catalysis Today, 2021, 365, 291-300.	4.4	13
23	Influence of calcination temperature on the structure and properties of Al <sub>2</sub> O <sub>3</sub> as support for Pd catalyst. Korean Journal of Chemical Engineering, 2018, 35, 1083-1088.	2.7	12
24	Effect of sodium propionate as a stabilizer on the catalytic activity of Pt/C catalysts for d-glucose hydrogenation. Catalysis Today, 2020, 352, 88-94.	4.4	12
25	Pt supported on hierarchical porous carbon for furfural hydrogenation. Journal of Industrial and Engineering Chemistry, 2021, 104, 406-415.	5.8	12
26	Title is missing!. Reaction Kinetics and Catalysis Letters, 2003, 80, 145-151.	0.6	10
27	Synthesis of Nanosized TiO <sub>2</sub> -Ag-SiO <sub>2</sub> Sols by Modified Sol-Gel Method and their Application for Methane Hydrate Formation. Solid State Phenomena, 2007, 124-126, 1059-1062.	0.3	10
28	Influence of Synthetic Parameters on the Particle Size and Distribution of Pd in Pd/Al <sub>2</sub> O <sub>3</sub> Catalysts. Journal of Nanoscience and Nanotechnology, 2018, 18, 6283-6287.	0.9	10
29	Synthesis of TiO <sub>2</sub> ; Supported on SBA-15 Using Different Method and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2011, 11, 7446-7450.	0.9	9
30	Synthesis of Pb-Substituted LaCoO <sub>3</sub> ; Nanoparticles by Microwave Process and Their Photocatalytic Activity Under Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2013, 13, 6160-6164.	0.9	9
31	Effect of carboxylate stabilizers on the performance of Pt/C catalysts for furfural hydrogenation. Journal of Environmental Chemical Engineering, 2021, 9, 106293.	6.7	9
32	Catalytic Combustion of Benzene Over Nanosized LaMnO <sub>3</sub> ; Perovskite Oxides. Journal of Nanoscience and Nanotechnology, 2013, 13, 6120-6124.	0.9	8
33	Regeneration of used sand with sodium silicate binder by wet method and their core manufacturing. Journal of Material Cycles and Waste Management, 2021, 23, 121-129.	3.0	8
34	Synthesis of PbMoO <sub>4</sub> ; Nanoparticles by Microwave-Assisted Hydrothermal Process and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2014, 14, 8502-8506.	0.9	7
35	Surface Modification of SiO <sub>2</sub> for Highly Dispersed Pd/SiO <sub>2</sub> Catalyst. Journal of Nanoscience and Nanotechnology, 2019, 19, 882-887.	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	Synthesis of Glycerol Carbonate by Transesterification of Glycerol with Urea Over Zn/Al Mixed Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 321-325.	0.9	6
38	Effects of chlorinated Pd precursors and preparation methods on properties and activity of Pd/TiO <sub>2</sub> catalysts. <i>RSC Advances</i> , 2020, 10, 41462-41470.	3.6	6
39	Removal of freshwater diatoms ( <i>Synedra acus</i> and <i>Stephanodiscus</i> sp.) by preozonation and addition of polyamine coagulant-aid. <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 682-686.	2.7	5
40	Effect of synthesis conditions on the preparation of titanium dioxides from peroxotitanate solution and their photocatalytic activity. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 93, 333-341.	0.6	5
41	Synthesis of Glycidol by Decarboxylation of Glycerol Carbonate Over Zn-La Catalysts with Different Molar Ratio. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10898-10902.	0.9	5
42	Kinetic Study of CO <sub>2</sub> Hydration by Small-Molecule Catalysts with A Second Coordination Sphere that Mimic the Effect of the Thr-199 Residue of Carbonic Anhydrase. <i>Biomimetics</i> , 2019, 4, 66.	3.3	5
43	Photocatalytic Decomposition of Methyl Orange Over Nanosized Perovskite-Type Oxides Under Visible Light Irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2320-2324.	0.9	4
44	Improvements of Pd/C Catalyst Support Characteristics by Various Physical Dispersion Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 5314-5317.	0.9	4
45	Synthesis of Zn/Al mixed-oxide catalyst for carbonylation of glycerol with urea. <i>Research on Chemical Intermediates</i> , 2016, 42, 83-93.	2.7	4
46	Effect of Preparation Method for Pd/C Catalysts on Pd Characterization and their Catalytic Activity. <i>Applied Chemistry for Engineering</i> , 2015, 26, 575-580.	0.2	4
47	Catalytic Combustion of Benzene Over Copper Oxide Supported on SBA-15 Using Chelating Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1542-1546.	0.9	3
48	Carbon Nano Tube Supported Pd Catalyst: Effect of Support Textual Properties with Pre-Treatment Method of Pd Particle. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9052-9056.	0.9	3
49	Pd (Palladium) Supported on the Porous Carbon: Effect of Pore Distribution in Carbon on the Dispersion of Pd. <i>Science of Advanced Materials</i> , 2016, 8, 1995-2000.	0.7	3
50	Synthesis of Succinic Acid from Hydrogenation of Maleic Anhydride. <i>Applied Chemistry for Engineering</i> , 2013, 24, 650-655.	0.2	3
51	Catalytic combustion of benzene over CuO/CeO <sub>2</sub> catalysts prepared using the precipitation-deposition method. <i>Research on Chemical Intermediates</i> , 2011, 37, 1345-1354.	2.7	2
52	Synthesis of Polyglycerol Fatty Acid Ester for Insulating Oil. <i>Materials Science Forum</i> , 0, 761, 3-6.	0.3	2
53	Effect of Carbon Pre-Treatment on Pd Dispersion in Synthesis of Pd/C Catalyst. <i>Materials Science Forum</i> , 2014, 804, 149-152.	0.3	2
54	Hydrogenolysis of Glycerol to Propylene Glycol on Nanosized Cu-Zn-Al Catalysts Prepared Using Microwave Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 656-659.	0.9	2

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55	Synthesis of PbMoO <sub>4</sub> Nanoparticles Using a Facile Surfactant-Assisted Microwave Process and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2017, 17, 2751-2755.	0.9	2
56	Growth mechanism of SnC <sub>2</sub> H <sub>4</sub> O <sub>2</sub> nanowires prepared by the polyol process as SnO <sub>2</sub> precursor nanowires. RSC Advances, 2019, 9, 3203-3207.	3.6	2
57	Synthesis of Glycerol Carbonate from Biomass Glycerol: Focus on the Calcination Temperature. Materials Science Forum, 0, 724, 374-377.	0.3	1
58	Synthesis of Palladium Nanoparticles in Various Carbon Materials. Materials Science Forum, 0, 761, 147-150.	0.3	1
59	Syntheses and physical properties of 1-alkoxydiglycerids as insulating oil. Journal of Industrial and Engineering Chemistry, 2015, 25, 314-320.	5.8	1
60	The Effect of Support Pretreatment with Ammonia on Pd/SiO <sub>2</sub> Catalyst. Materials Science Forum, 2018, 922, 125-129.	0.3	1
61	A Study on Greenhouse Gas (CO <sub>2</sub> ) Reduction through Solar Power Monitoring in Samho Migratory Bird Village Using NB-IoT. Journal of Climate Change Research, 2021, 12, 91-108.	0.4	1
62	Insulation Properties and Evaluation of Diglycerol Ester Synthesized by Solid Acid Catalysts. Applied Chemistry for Engineering, 2014, 25, 254-261.	0.2	1
63	Synthesis of Nanosized TiO <sub>2</sub> -SiO <sub>2</sub> Particles in Microemulsions Stabilized by Anionic Surfactants. Materials Science Forum, 2011, 695, 602-605.	0.3	0
64	Compressive Strength Evaluation of SCR Catalyst Recycled Al-Dross. Materials Science Forum, 2012, 724, 135-138.	0.3	0
65	The Effects of Deposited Material and Loaded Amount within Synthesis of TMP-Ester. Materials Science Forum, 0, 804, 27-30.	0.3	0
66	Synthesis of Diglycerol Ester as Insulating Oil for Offshore Wind Turbine Transformer. Materials Science Forum, 0, 804, 23-26.	0.3	0
67	Effect of Regenerated-Foundry Sand on the Mechanical Properties of Core. Materials Science Forum, 2018, 922, 149-154.	0.3	0
68	The Preparation of Highly Dispersed Pd/Gamma-Al <sub>2</sub> O <sub>3</sub> Catalyst: The Relation of Attracting-Repelling Force and Pd Dispersion. Materials Science Forum, 0, 922, 130-135.	0.3	0
69	Recovery of Pd as PdO from Pd/SiO <sub>2</sub> catalyst by leaching using hydrochloric acid. Journal of Material Cycles and Waste Management, 2021, 23, 1657-1664.	3.0	0
70	Transesterification of Canola Oil with Methanol Over Heteropolyacids. Journal of Biobased Materials and Bioenergy, 2014, 8, 202-207.	0.3	0