

Liang Song

List of Publications by Year in descending order

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52
papers

1,751
citations

257450

24
h-index

276875

41
g-index

52
all docs

52
docs citations

52
times ranked

2082
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion resistance of Mg-Al-LDH steam coating on AZ80 Mg alloy: Effects of citric acid pretreatment and intermetallic compounds. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 2967-2979.	11.9	6
2	Bifunctional free radical photoinitiator based on syringaldehyde. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1617-1627.	3.2	1
3	Visible Light Driven VO ₂ /g-C ₃ N ₄ Z-scheme Composite Photocatalysts for Selective Oxidation of DL-Phenylethyl Alcohol under Vis-LEDs Irradiation and Aerobic Oxidation. <i>ChemistrySelect</i> , 2021, 6, 2101-2110.	1.5	5
4	Glass fiber reinforced PET modified by few-layer black phosphorus. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3515-3522.	3.2	9
5	Enhanced Visible Light Photocatalytic Activity by the Comprehensive Effects of Mesoporous and N-Doping at the Meso-TiO ₂ Nanocatalysts. <i>ChemistrySelect</i> , 2021, 6, 6029-6036.	1.5	2
6	Corrosion resistance of dodecanethiol-modified magnesium hydroxide coating on AZ31 magnesium alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	24
7	Synthesis of glutamate intercalated Mg-Al layered double hydroxides: influence of stirring and aging time. <i>Journal of Dispersion Science and Technology</i> , 2020, , 1-9.	2.4	2
8	Preparation of poly(methyl methacrylate) microspheres via photopolymerization initiated by LED light source. <i>Colloid and Polymer Science</i> , 2020, 298, 1285-1291.	2.1	8
9	Natural antioxidant from bamboo leaves for the processing stability of polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, , 1.	3.6	9
10	Natural compounds from <i>Punica granatum</i> peel as multiple stabilizers for polyethylene. <i>Polymer Engineering and Science</i> , 2020, 60, 2761-2769.	3.1	9
11	Puerarin, an efficient natural stabilizer for both polyethylene and polypropylene. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49599.	2.6	7
12	Facile synthesis of C, N-TiO ₂ nanorods via layered Ti ₃ O ₇ ·nH ₂ O-TMAH interlaminar bonding interaction and their enhanced catalytic performance. <i>Materials Research Express</i> , 2020, 7, 025022.	1.6	3
13	Mo-V-Nb-O-based catalysts for low-temperature selective oxidation of C ₁₅ -OH lignin model compounds. <i>Frontiers of Materials Science</i> , 2020, 14, 52-61.	2.2	2
14	Corrosion resistance and hydrophobicity of myristic acid modified Mg-Al LDH/Mg(OH) ₂ steam coating on magnesium alloy AZ31. <i>Frontiers of Materials Science</i> , 2020, 14, 96-107.	2.2	18
15	Degradation aspects of endocrine disrupting chemicals: A review on photocatalytic processes and photocatalysts. <i>Applied Catalysis A: General</i> , 2020, 597, 117547.	4.3	57
16	Highly active Mo-V-based bifunctional catalysts for catalytic conversion of lignin dimer model compounds at room temperature. <i>Inorganic Chemistry Communication</i> , 2020, 116, 107910.	3.9	9
17	Corrosion resistance of Mg-Al LDH/Mg(OH) ₂ /silane-Ce hybrid coating on magnesium alloy AZ31. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 2967-2979.	4.2	45
18	Effect of Nb on catalyst nanoparticle sizes and catalytic activities of H ₂ O ₂ -mediated oxidative dehydrogenation of C ₁₅ -OH lignin model compounds. <i>Journal of Materials Science</i> , 2020, 55, 10492-10504.	3.7	0

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19	Ion diffusion-assisted preparation of Ni ₃ S ₂ /NiO nanocomposites for electrochemical capacitors. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107469.	3.9	15
20	Corrosion resistance of a silane/ceria modified Mg-Al-layered double hydroxide on AA5005 aluminum alloy. <i>Frontiers of Materials Science</i> , 2019, 13, 420-430.	2.2	13
21	Gas-liquid diffusion synthesis of different Ni(OH) ₂ nanostructures for their supercapacitive performance. <i>Chemical Physics</i> , 2019, 525, 110395.	1.9	6
22	A novel acyl phosphine compound as difunctional photoinitiator for free radical polymerization. <i>Progress in Organic Coatings</i> , 2019, 135, 34-40.	3.9	38
23	The NiO electrode materials in electrochemical capacitor: A review. <i>Materials Science in Semiconductor Processing</i> , 2019, 96, 78-90.	4.0	97
24	Aerobic Oxidative Dehydrogenation of Ethyl Lactate Over Reduced MoVNbO _x Catalysts. <i>Catalysis Letters</i> , 2019, 149, 840-850.	2.6	11
25	Zeolitic acidity as a promoter for the catalytic oxidation of toluene over MnO /HZSM-5 catalysts. <i>Catalysis Today</i> , 2019, 327, 374-381.	4.4	98
26	A comparison of corrosion inhibition of magnesium aluminum and zinc aluminum vanadate intercalated layered double hydroxides on magnesium alloys. <i>Frontiers of Materials Science</i> , 2018, 12, 198-206.	2.2	44
27	Corrosion resistance of a ceria/polymethyltrimethoxysilane modified Mg-Al-layered double hydroxide on AZ31 magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2018, 764, 913-928.	5.5	88
28	Performance comparison of flame retardant epoxy resins modified by DPO-“PHE and DOPO-“PHE. <i>Polymer Degradation and Stability</i> , 2018, 156, 89-99.	5.8	77
29	Synthesis of P(O)-S organophosphorus compounds by dehydrogenative coupling reaction of P(O)H compounds with aryl thiols in the presence of base and air. <i>Tetrahedron</i> , 2017, 73, 3133-3138.	1.9	25
30	Corrosion resistance of ceria/polymethyltrimethoxysilane modified magnesium hydroxide coating on AZ31 magnesium alloy. <i>Surface and Coatings Technology</i> , 2017, 328, 121-133.	4.8	67
31	In vitro corrosion of Mg-“Ca alloy “ The influence of glucose content. <i>Frontiers of Materials Science</i> , 2017, 11, 284-295.	2.2	33
32	High photodegradation ability of dyes by Fe(III)-tartrate/TiO ₂ nanotubular photocatalyst supported via photo-Fenton reaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 334, 20-25.	3.9	18
33	Corrosion Resistance of the Superhydrophobic Mg(OH) ₂ /Mg-Al Layered Double Hydroxide Coatings on Magnesium Alloys. <i>Metals</i> , 2016, 6, 85.	2.3	71
34	Kinetics study for the oxidative dehydrogenation of ethyl lactate to ethyl pyruvate over MoVNbO based catalysts. <i>Chemical Engineering Journal</i> , 2016, 296, 217-224.	12.7	25
35	An investigation on the aqueous-phase hydrodeoxygenation of various methoxy-substituted lignin monomers on Pd/C and HZSM-5 catalysts. <i>RSC Advances</i> , 2016, 6, 104398-104406.	3.6	15
36	Promotional effect of HZSM-5 on the catalytic oxidation of toluene over MnO _x /HZSM-5 catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 4260-4270.	4.1	46

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37	An Overview of Selective Oxidation of Alcohols: Catalysts, Oxidants and Reaction Mechanisms. <i>Catalysis Surveys From Asia</i> , 2016, 20, 13-22.	2.6	41
38	Corrosion of in-situ grown MgAl-LDH coating on aluminum alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 3498-3504.	4.2	59
39	Corrosion Resistance of Superhydrophobic Mg ²⁺ /Al Layered Double Hydroxide Coatings on Aluminum Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1373-1381.	2.9	70
40	Effect of acidity and porosity of alkali-treated ZSM-5 zeolite on eugenol hydrodeoxygenation. <i>Catalysis Today</i> , 2015, 258, 90-95.	4.4	48
41	Modification of TiO ₂ nanotubes by WO ₃ species for improving their photocatalytic activity. <i>Applied Surface Science</i> , 2015, 343, 181-187.	6.1	37
42	Fabrication of the Superhydrophobic Surface on Magnesium Alloy and Its Corrosion Resistance. <i>Journal of Materials Science and Technology</i> , 2015, 31, 1139-1143.	10.7	90
43	Towards TiO ₂ nanotubes modified by WO ₃ species: influence of ex situ crystallization of precursor on the photocatalytic activities of WO ₃ /TiO ₂ composites. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 355305.	2.8	9
44	Synthesis of rare earth doped TiO ₂ nanorods as photocatalysts for lignin degradation. <i>Nanoscale</i> , 2015, 7, 16695-16703.	5.6	63
45	Catalytic Dechlorination of Carbon Tetrachloride in Liquid Phase with Methanol as H-Donor Over Ag/C Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7315-7318.	0.9	5
46	Cr ₂ O ₃ Nanoparticles Modified TiO ₂ Nanotubes for Enhancing Visible Photoelectrochemical Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7022-7026.	0.9	5
47	Aqueous-phase hydrodeoxygenation of lignin monomer eugenol: Influence of Si/Al ratio of HZSM-5 on catalytic performances. <i>Catalysis Today</i> , 2014, 234, 145-152.	4.4	61
48	Corrosion resistance of Mg ²⁺ /Al-LDH coating on magnesium alloy AZ31. <i>Surface and Coatings Technology</i> , 2014, 258, 1152-1158.	4.8	188
49	Influence of crystal size of HZSM-5 on hydrodeoxygenation of eugenol in aqueous phase. <i>Catalysis Communications</i> , 2014, 56, 123-127.	3.3	23
50	Lead titanate nanotubes synthesized via ion-exchange method: Characteristics and formation mechanism. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6061-6066.	5.5	5
51	Comparing Cr, and N only doping with (Cr, N)-codoping for enhancing visible light reactivity of TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2011, 110, 148-153.	20.2	37
52	Effect of post heat treatment on microstructure and photocatalytic activities of TiO ₂ nanoribbons. <i>Applied Surface Science</i> , 2011, 257, 7932-7937.	6.1	7