Kuen-Song Lin

List of Publications by Year
in descending order

98 papers	2,924 citations	201674 27 h-index	189892 50 g-index
98 all docs	98 docs citations	98 times ranked	4407 citing authors

#	Article	IF	Citations
1	Preparation and characterization of Ni/Al2O3 for carbon nanofiber fabrication from CO2 hydrogenation. Catalysis Today, 2022, 388-389, 341-350.	4.4	7
2	Formulation and characterization of W-doped titania nanotubes for adsorption/photodegradation of methylene blue and basic violet 3 dyes. Catalysis Today, 2022, 388-389, 36-46.	4.4	6
3	Design of doxorubicin encapsulated pH-/thermo-responsive and cationic shell-crosslinked magnetic drug delivery system. Colloids and Surfaces B: Biointerfaces, 2022, 209, 112168.	5.0	26
4	Synthesis, characterization, and application of gene conjugated polymerized nitrogen-doped graphene quantum dots carriers for in vivo bio-targeting in neuroblastoma treatment. Journal of the Taiwan Institute of Chemical Engineers, 2022, 131, 104167.	5.3	4
5	Fluorescent and thermoresponsive tetraphenylethene-based cross-linked poly(N-isopropylacrylamide)s: Synthesis, thermal/AIE properties, and cell viability. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104238.	5.3	6
6	Improved H2 production of ZnO@ZnS nanorod-decorated Ni foam immobilized photocatalysts. International Journal of Hydrogen Energy, 2021, 46, 11357-11368.	7.1	32
7	Bioaccumulation of trace metals and speciation of copper and zinc in Pacific oysters (Crassostrea) Tj ETQq1 1 0.784314 rgBT /Overlo	8.2	7
8	Formulation of magnetic nanocomposites for intracellular delivery of micro-RNA for MYCN inhibition in neuroblastoma. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126264.	4.7	16
9	Speciation and fate of toxic cadmium in contaminated paddy soils and rice using XANES/EXAFS spectroscopy. Journal of Hazardous Materials, 2021, 407, 124879.	12.4	12
10	In vitro studies of Pluronic F127 coated magnetic silica nanocarriers for drug delivery system targeting liver cancer. European Polymer Journal, 2021, 153, 110504.	5.4	13
11	In vivo imaging of neuroblastomas using GD2-targeting graphene quantum dots. Journal of Pediatric Surgery, 2021, 56, 1227-1232.	1.6	8
12	In vitro study of doxorubicin-loaded thermo- and pH-tunable carriers for targeted drug delivery to liver cancer cells. Journal of Industrial and Engineering Chemistry, 2021, 104, 93-105.	5.8	15
13	Formulation and in-vitro evaluations of doxorubicin loaded polymerized magnetic nanocarriers for liver cancer cells. Journal of the Taiwan Institute of Chemical Engineers, 2021, 126, 278-287.	5.3	10
14	Characterization of the size and porous temperature sensitivity of Pluronic F127â€'Coated MILâ€'88B(Fe) for drug release. Microporous and Mesoporous Materials, 2021, 328, 111456.	4.4	10
15	In vitro intracellular studies of pH and thermo-triggered doxorubicin conjugated magnetic SBA-15 mesoporous nanocarriers for anticancer activity against hepatocellular carcinoma. Journal of Industrial and Engineering Chemistry, 2021, 102, 1-16.	5.8	18
16	Synergistic effects of morphology control and calcination on the activity of flower-like Bi2WO6-Bi2O3 photocatalysts prepared by an ionic liquid-assisted solvothermal method. Journal of Alloys and Compounds, 2021, 883, 160920.	5.5	16
17	Preparation and characterization of mesoporous polymer-based solid acid catalysts for biodiesel production via transesterification of palmitic oils. Catalysis Today, 2021, , .	4.4	4
18	Enhancement of biodiesel production via sequential esterification/transesterification over solid superacidic and superbasic catalysts. Catalysis Today, 2020, 348, 257-269.	4.4	12

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19	Enhanced visible-light-driven photocatalytic degradation by metal wire-mesh supported Ag/flower-like Bi2WO6 photocatalysts. Journal of Alloys and Compounds, 2020, 813, 152186.	5.5	75
20	Degradation of rhodamine B under visible-light with nanotubular Ag@AgCl@AgI photocatalysts. Catalysis Today, 2020, 358, 155-163.	4.4	7
21	Effect of direct ultrasound synthesis via a sesquihydrate route on bismuthâ€promoted vanadyl pyrophosphate catalysts. Journal of the Chinese Chemical Society, 2020, 67, 94-102.	1.4	9
22	Speciation and fate of toxic cadmium in contaminated paddy soils and rice using XANES/EXAFS spectroscopy. Journal of Hazardous Materials, 2020, 383, 121167.	12.4	25
23	Synthesis, characterization, and application of zero-valent iron nanoparticles for TNT, RDX, and HMX explosives decontamination in wastewater. Journal of the Taiwan Institute of Chemical Engineers, 2020, 114, 186-198.	5.3	14
24	Preparation, characterization, and in-vitro studies of doxorubicin-encapsulated silica coated iron oxide nanocomposites on liver cancer cells. Journal of the Taiwan Institute of Chemical Engineers, 2020, 117, 190-197.	5.3	9
25	Assessment of agricultural waste-derived activated carbon in multiple applications. Environmental Research, 2020, 191, 110176.	7.5	34
26	Treatment of simulated chromium-contaminated wastewater using polyethylenimine-modified zero-valent iron nanoparticles. Journal of the Taiwan Institute of Chemical Engineers, 2020, 108, 92-101.	5.3	23
27	Interplay between doping and size effects on Y1-xEuxMn2O5 nanorods. AIP Advances, 2020, 10, 025017.	1.3	0
28	Direct Ultrasound Synthesis of Vanadyl Pyrophosphate Catalyst for Partial Oxidation of N-Butane to Maleic Anhydride. Journal of Computational and Theoretical Nanoscience, 2020, 17, 925-933.	0.4	1
29	Flower-like BiOBr decorated stainless steel wire-mesh as immobilized photocatalysts for photocatalytic degradation applications. Applied Surface Science, 2019, 494, 492-500.	6.1	43
30	Synthesis of Agâ€modified TiO₂ nanotube and its application in photocatalytic degradation of dyes and elemental mercury. Journal of Chemical Technology and Biotechnology, 2019, 94, 3251-3262.	3.2	14
31	Formulation and characterization of multifunctional polymer modified-iron oxide magnetic nanocarrier for doxorubicin delivery. Journal of the Taiwan Institute of Chemical Engineers, 2019, 104, 260-272.	5.3	11
32	Preparation of AgCl/TNTs nanocomposites for organic dyes and inorganic heavy metal removal. Environmental Science and Pollution Research, 2019, 26, 22082-22096.	5.3	5
33	Interplay between magnetic ion and amorphous carbon in Na3V2(PO4)3/C nanocomposite. AIP Advances, 2019, 9, 035134.	1.3	2
34	In-situ reductive degradation of chlorinated DNAPLs in contaminated groundwater using polyethyleneimine-modified zero-valent iron nanoparticles. Chemosphere, 2019, 224, 816-826.	8.2	18
35	Multifunctional nanocarrier as a potential micro-RNA delivery vehicle for neuroblastoma treatment. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 526-537.	5.3	16
36	Iron oxide-pluronic F127 polymer nanocomposites as carriers for a doxorubicin drug delivery system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 361-369.	4.7	32

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37	Mercury adsorption and re-emission inhibition from actual WFGD wastewater using sulfur-containing activated carbon. Environmental Research, 2019, 168, 319-328.	7.5	27
38	Effects of ZnO on Characteristics and Selectivity of Coprecipitated Ni/ZnO/Al2O3 Catalysts for Partial Hydrogenation of Sunflower Oil. Industrial & Engineering Chemistry Research, 2018, 57, 3163-3174.	3.7	12
39	Novel Ag@AgCl@AgBr heterostructured nanotubes as high-performance visible-light photocatalysts for decomposition of dyes. Catalysis Today, 2018, 314, 10-19.	4.4	32
40	Degradation of TCE, PCE, and 1,2â€“DCE DNAPLs in contaminated groundwater using polyethylenimine-modified zero-valent iron nanoparticles. Journal of Cleaner Production, 2018, 175, 456-466.	9.3	68
41	Recycling copper nanoparticles from printed circuit board waste etchants via a microemulsion process. Journal of Cleaner Production, 2018, 185, 781-796.	9.3	58
42	Preparation and characterization of V-Loaded titania nanotubes for adsorption/photocatalysis of basic dye and environmental hormone contaminated wastewaters. Catalysis Today, 2018, 307, 119-130.	4.4	18
43	Magnetic separation and recycling of ferrite nanocatalysts for CO2 decomposition with CH4 recovery from steel industrial flyash. Catalysis Today, 2018, 307, 260-271.	4.4	8
44	Direct synthesis of formic acid via CO2 hydrogenation over Cu/ZnO/Al2O3 catalyst. Journal of Cleaner Production, 2018, 172, 1957-1977.	9.3	54
45	Decontamination of 1,2-Dichloroethane DNAPL in Contaminated Groundwater by Polymer-Modified Zero-Valent Iron Nanoparticles. Topics in Catalysis, 2018, 61, 1653-1664.	2.8	12
46	Effects of metal oxide nanoparticles on the structure and activity of lysozyme. Colloids and Surfaces B: Biointerfaces, 2017, 151, 344-353.	5.0	19
47	Small-angle neutron scattering studies of microenvironmental and structural changes of Pluronic micelles upon encapsulation of paclitaxel. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 405-413.	5.3	18
48	Preparation and characterization of CuO Al 2 O 3 catalyst for dimethyl ether production via methanol dehydration. International Journal of Hydrogen Energy, 2017, 42, 23526-23538.	7.1	43
49	Synthesis and characterization of H3PW12O40/Ce0.1Ti0.9O2 for dimethyl carbonate formation via Methanol carbonation. International Journal of Hydrogen Energy, 2017, 42, 22108-22122.	7.1	25
50	Conversion of hydrogen/carbon dioxide into formic acid and methanol over Cu/CuCr 2 O 4 catalyst. International Journal of Hydrogen Energy, 2017, 42, 23647-23663.	7.1	26
51	Synthesis of Carbon Dots on Fe₃O₄ Nanoparticles as Recyclable Visible-Light Photocatalysts. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
52	Copper, nickel, and zinc cations biosorption properties of Gram-positive and Gram-negative MerP mercury-resistance proteins. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 168-175.	5.3	4
53	Synthesis and characterization of magnetic zinc and manganese ferrite catalysts for decomposition of carbon dioxide into methane. International Journal of Hydrogen Energy, 2017, 42, 22123-22137.	7.1	13
54	pH-Dependent Antimicrobial Properties of Copper Oxide Nanoparticles in Staphylococcus aureus. International Journal of Molecular Sciences, 2017, 18, 793.	4.1	58

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55	Antimicrobial effects of zero-valent iron nanoparticles on gram-positive Bacillus strains and gram-negative Escherichia coli strains. Journal of Nanobiotechnology, 2017, 15, 77.	9.1	40
56	Size Effect on LuMn2O5Nanorods. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	0
57	Fate and transport with material response characterization of green sorption media for copper removal via desorption process. Chemosphere, 2016, 154, 444-453.	8.2	12
58	Superparamagnetic Iron Oxide Nanorod Carriers for Paclitaxel Delivery in the Treatment and Imaging of Colon Cancer in Mice. Journal of Biomedical Nanotechnology, 2016, 12, 1734-1745.	1.1	26
59	Fate and transport with material response characterization of green sorption media for copper removal via adsorption process. Chemosphere, 2016, 144, 1280-1289.	8.2	20
60	Improving CO 2 adsorption capacities and CO 2 /N 2 separation efficiencies of MOF-74(Ni, Co) by doping palladium-containing activated carbon. Chemical Engineering Journal, 2016, 284, 1348-1360.	12.7	110
61	Small Angle X-Ray Scattering Characterization of Multifunctional Iron Oxide-Pluronic Nanocarriers: Effect of Temperature and Drug Encapsulation. Nanoscience and Nanotechnology Letters, 2016, 8, 667-670.	0.4	8
62	Acid-Catalyzed Synthesis and CO₂ Adsorption of Cu and Cu-Zn Bimetallic Imidazolate Frameworks. Nanoscience and Nanotechnology Letters, 2016, 8, 621-627.	0.4	7
63	Enhancement of DME Formation from Methanol Dehydration by Doping CuOâ€“ZnOâ€“Al₂O₃ into H-Form Zeolites. Nanoscience and Nanotechnology Letters, 2016, 8, 1072-1079.	0.4	8
64	The Antimicrobial Properties of Silver Nanoparticles in Bacillus subtilis Are Mediated by Released Ag+ Ions. PLoS ONE, 2015, 10, e0144306.	2.5	160
65	Functionalized Fe₃O₄@Silica Coreâ€“Shell Nanoparticles as Microalgae Harvester and Catalyst for Biodiesel Production. ChemSusChem, 2015, 8, 789-794.	6.8	105
66	Improved hydrogen storage capacity by hydrogen spillover and fine structural characterization of MIL-100 metal organic frameworks. Research on Chemical Intermediates, 2015, 41, 7655-7667.	2.7	10
67	ZnO Nanoparticles Affect Bacillus subtilis Cell Growth and Biofilm Formation. PLoS ONE, 2015, 10, e0128457.	2.5	92
68	Structural Characterization and Adsorption Properties of Pluronic F127 Onto Iron Oxides Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2014, 14, 2361-2367.	0.9	13
69	Spin-Phonon Coupling in PrMn₂O₅ Nanorods. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
70	Synthesis, Fine Structural Characterization, and CO2 Adsorption Capacity of Metal Organic Frameworks-74. Journal of Nanoscience and Nanotechnology, 2014, 14, 2709-2717.	0.9	26
71	Synthesis, Characterization, and Hydrogen Storage Enhancement of M₂(BDC)₂dabco with Palladium-Doped Activated Carbon. Journal of Nanoscience and Nanotechnology, 2014, 14, 2700-2708.	0.9	6
72	Degradation of TNT, RDX, and HMX Explosive Wastewaters Using Zeroâ€Valent Iron Nanoparticles. Propellants, Explosives, Pyrotechnics, 2013, 38, 786-790.	1.6	14

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73	Synthesis and Characterization of Porous Zero-Valent Iron Nanoparticles for Remediation of Chromium-Contaminated Wastewater. Journal of Nanoscience and Nanotechnology, 2013, 13, 2675-2681.	0.9	8
74	Preparation, Characterization, and Hydrogen Storage Capacity of MIL-53 Metal-Organic Frameworks. Journal of Nanoscience and Nanotechnology, 2013, 13, 2549-2556.	0.9	6
75	Synthesis and Characterization of Nickel and Zinc Ferrite Nanocatalysts for Decomposition of CO₂ Greenhouse Effect Gas. Journal of Nanoscience and Nanotechnology, 2013, 13, 2538-2548.	0.9	11
76	Synthesis, characterization, and hydrogen storage study by hydrogen spillover of MIL-101 metal organic frameworks. Adsorption, 2012, 18, 483-491.	3.0	28
77	Characterization and Hydrogen Storage of Surface-Modified Multiwalled Carbon Nanotubes for Fuel Cell Application. Journal of Nanomaterials, 2012, 2012, 1-12.	2.7	30
78	Synthesis and characterization of porous HKUST-1 metal organic frameworks for hydrogen storage. International Journal of Hydrogen Energy, 2012, 37, 13865-13871.	7.1	344
79	Design of Smart PEO-PPO-PEO-Magnetic Drug Delivery System for Alzheimer's Diseases Diagnosis and Therapy. Current Medicinal Chemistry, 2012, , .	2.4	0
80	Synthesis and Characterization of 1D Ceria Nanomaterials for CO Oxidation and Steam Reforming of Methanol. Journal of Nanomaterials, 2011, 2011, 1-16.	2.7	30
81	Hydrogen Generation Using a CuO/ZnO-ZrO2 Nanocatalyst for Autothermal Reforming of Methanol in a Microchannel Reactor. Molecules, 2011, 16, 348-366.	3.8	29
82	Synthesis and characterization of nickel ferrite nanocatalysts for CO2 decomposition. Catalysis Today, 2011, 174, 88-96.	4.4	63
83	Hydrogen adsorption in metal organic frameworks by hydrogen spillover. Catalysis Today, 2011, 164, 23-27.	4.4	18
84	Preparation and characterization of CuO/ZnOâ€“Al2O3 catalyst washcoats with CeO2 sols for autothermal reforming of methanol in a microreactor. Catalysis Today, 2011, 164, 251-256.	4.4	22
85	Synthesis, characterization, and adsorption kinetics of titania nanotubes for basic dye wastewater treatment. Adsorption, 2010, 16, 47-56.	3.0	32
86	Catalytic gasification of automotive shredder residues with hydrogen generation. Journal of Power Sources, 2010, 195, 6016-6023.	7.8	29
87	Synthesis, Characterization, and Application of 1-D Cerium Oxide Nanomaterials: A Review. International Journal of Molecular Sciences, 2010, 11, 3226-3251.	4.1	132
88	Preparation and characterization of aligned iron nanorod using aqueous chemical method. Thin Solid Films, 2009, 517, 5192-5196.	1.8	17
89	Desulfurization of Gasoline and Diesel by Adsorption with Cu(I)-Y Zeolite. Journal of Chemical Engineering of Japan, 2009, 42, S168-S175.	0.6	4
90	Effects of synthesis temperature on the microstructures and basic dyes adsorption of titanate nanotubes. Journal of Hazardous Materials, 2008, 150, 494-503.	12.4	143

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91	Hydrogen generation by catalytic gasification of motor oils in an integrated fuel processor. Catalysis Today, 2008, 136, 281-290.	4.4	14
92	INTEGRATING NANOSCALE ZERO-VALENT IRON AND TITANIUM DIOXIDE FOR NUTRIENT REMOVAL IN STORMWATER SYSTEMS. Nano, 2008, 03, 297-300.	1.0	4
93	DECONTAMINATION OF NITRATES AND NITRITES IN WASTEWATER BY ZERO-VALENT IRON NANOPARTICLES. Nano, 2008, 03, 291-295.	1.0	7
94	Fine structure characterization of zero-valent iron nanoparticles for decontamination of nitrites and nitrates in wastewater and groundwater. Science and Technology of Advanced Materials, 2008, 9, 025015.	6.1	62
95	Photocatalytic oxidation of toxic organohalides with TiO2/UV: The effects of humic substances and organic mixtures. Chemosphere, 2007, 66, 1872-1877.	8.2	85
96	Sludge conditioning characteristics of copper chemical mechanical polishing wastewaters treated by electrocoagulation. Journal of Hazardous Materials, 2006, 136, 183-187.	12.4	33
97	Gasification of Aromatic Volatile Organic Compounds Generated from Petroleum and Refinery Industries with Syngas Recycling. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2006, 10, 150-155.	0.4	2
98	Supercritical Water Oxidation of 2-Chlorophenol Catalyzed by Cu2+Cations and Copper Oxide Clusters. Environmental Science & Technology, 2000, 34, 4849-4854.	10.0	50