Yang-Wei Lin

List of Publications by Year
in descending order

93	3,454	117571	149623
papers	citations	34 h-index	56 g-index

97	97	97	4653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrothermal and Co-Precipitated Synthesis of Chalcopyrite for Fenton-like Degradation toward Rhodamine B. Catalysts, 2022, 12, 152.	1.6	10
2	Tannic acid as a chemosensor for colorimetric detection of Fe(<scp>II</scp>) and Au(<scp>III</scp>) ions in environmental water samples. Journal of the Chinese Chemical Society, 2022, 69, 549-556.	0.8	1
3	LED irradiation of halogen/nitrogen-doped polymeric graphene quantum dots triggers the photodynamic inactivation of bacteria in infected wounds. Carbon, 2021, 174, 710-722.	5.4	30
4	Dendritic Forest-Like Ag Nanostructures Prepared Using Fluoride-Assisted Galvanic Replacement Reaction for SERS Applications. Nanomaterials, 2021, 11, 1359.	1.9	10
5	Au@Ag Dendritic Nanoforests for Surface-Enhanced Raman Scattering Sensing. Nanomaterials, 2021, 11, 1736.	1.9	6
6	Proton-Conducting Cobalt(II) 3D MOFs Incorporating Bis(imidazole) and Polycarboxylate Linkages: Framework Topology and Interpenetration. Crystal Growth and Design, 2021, 21, 5594-5602.	1.4	6
7	Enhanced Visible Light Photocatalytic Degradation of Methylene Blue by CdS-ZnS-BiPO4 Nanocomposites Prepared by a Solvent-Assisted Heating Method. Catalysts, 2021, 11, 1095.	1.6	8
8	Synthesis of molybdenumâ€“silver orthophosphate composites for the visible-light photocatalytic degradation of various dyestuff and phenol. Journal of Materials Science: Materials in Electronics, 2020, 31, 2177-2189.	1.1	0
9	Microwave-Assisted Synthesis of Chalcopyrite/Silver Phosphate Composites with Enhanced Degradation of Rhodamine B under Photo-Fenton Process. Nanomaterials, 2020, 10, 2300.	1.9	8
10	Silicon-Based Ag Dendritic Nanoforests for Light-Assisted Bacterial Inhibition. Nanomaterials, 2020, 10, 2244.	1.9	7
11	Influences of silver halides AgX (Xâ€¯=â€¯Cl, Br, and I) on magnesium bismuth oxide photocatalyst in methylene blue degradation under visible light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 397, 112585.	2.0	12
12	Determination of Hg(II) based on the inhibited catalytic growth of surface-enhanced Raman scattering-active gold nanoparticles on a patterned hydrophobic paper substrate. Microchemical Journal, 2020, 157, 104983.	2.3	7
13	Carbon quantum dots for the detection of antibiotics and pesticides. Journal of Food and Drug Analysis, 2020, 28, 540-558.	0.9	20
14	DNA engineered copper oxide-based nanocomposites with multiple enzyme-like activities for specific detection of mercury species in environmental and biological samples. Analytica Chimica Acta, 2019, 1084, 106-115.	2.6	22
15	Preparation and characterization of bismuth oxychloride/reduced graphene oxide for photocatalytic degradation of rhodamine B under white-light light-emitting-diode and sunlight irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 371, 355-364.	2.0	27
16	Photoelectrocatalytic degradation of methylene blue on cadmium sulfideâ€“sensitized titanium dioxide film. Materials Research Bulletin, 2019, 118, 110500.	2.7	15
17	Controlled synthesis of Ag ₃ PO ₄ microparticles with different morphologies and their photocatalytic degradation of rhodamine B under white lightâ€emitting diode irradiation. Micro and Nano Letters, 2019, 14, 363-366.	0.6	1
18	Salicylic acidâ€sensitised titanium dioxide for photocatalytic degradation of fast green FCF under visible light irradiation. Micro and Nano Letters, 2019, 14, 359-362.	0.6	9

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19	Surface-enhanced Raman scattering enhancement due to localized surface plasmon resonance coupling between metallic nanoparticles and substrate. Microchemical Journal, 2018, 138, 340-347.	2.3	9
20	Fluorescence sensing of mercury(<scp>ii</scp>) and melamine in aqueous solutions through microwave-assisted synthesis of egg-white-protected gold nanoclusters. Analytical Methods, 2018, 10, 1624-1632.	1.3	22
21	Determination of mercury (II) ions based on silver-nanoparticles-assisted growth of gold nanostructures: UVâ€“Vis and surface enhanced Raman scattering approaches. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 301-307.	2.0	23
22	Surface-enhanced Raman scattering active gold nanoparticle/nanohole arrays fabricated through electron beam lithography. Applied Surface Science, 2018, 435, 1143-1149.	3.1	55
23	Label-Free Colorimetric Detection of Mercury (II) Ions Based on Gold Nanocatalysis. Sensors, 2018, 18, 2807.	2.1	8
24	Facile Synthesis and Characterization of Ag3PO4 Microparticles for Degradation of Organic Dyestuffs under White-Light Light-Emitting-Diode Irradiation. Materials, 2018, 11, 708.	1.3	21
25	Facile synthesis of Ag ₃ PO ₄ microcrystals and its enhanced photocatalytic disinfection. Micro and Nano Letters, 2018, 13, 1570-1573.	0.6	2
26	Fluorescent detection of uric acid in biological samples through the inhibition of cobalt(II) catalyzed Amplex UltraRed. Sensors and Actuators B: Chemical, 2017, 244, 357-364.	4.0	27
27	Synthesis and characterization of Ag/Ag3PO4 nanomaterial modified BiPO4 photocatalyst by sonochemical method and its photocatalytic application. Journal of Materials Science: Materials in Electronics, 2017, 28, 11886-11899.	1.1	11
28	Solvothermal synthesis of Ag hybrid BiPO4 heterostructures with enhanced photodegradation activity and stability. Journal of Colloid and Interface Science, 2017, 490, 217-225.	5.0	20
29	Determination of salicylic acid using a magnetic iron oxide nanoparticle-based solid-phase extraction procedure followed by an online concentration technique through micellar electrokinetic capillary chromatography. Journal of Chromatography A, 2017, 1479, 62-70.	1.8	13
30	Enhanced photocatalytic performance of BiVO 4 in aqueous AgNO 3 solution under visible light irradiation. Applied Surface Science, 2017, 399, 10-19.	3.1	63
31	Microwave-Assisted Formation of Gold Nanoclusters Capped in Bovine Serum Albumin and Exhibiting Red or Blue Emission. Journal of Physical Chemistry C, 2017, 121, 26997-27003.	1.5	28
32	Fabrication of a Dipole-assisted Solid Phase Extraction Microchip for Trace Metal Analysis in Water Samples. Journal of Visualized Experiments, 2016, , .	0.2	0
33	Microwave-assisted synthesis of BSA-stabilised gold nanoclusters for the sensitive and selective detection of lead(<scp>ii</scp>) and melamine in aqueous solution. RSC Advances, 2016, 6, 79020-79027.	1.7	13
34	Microwave-assisted synthesis of bovine serum albuminâ€“gold nanoclusters and their fluorescence-quenched sensing of Hg²⁺ ions. New Journal of Chemistry, 2016, 40, 1155-1161.	1.4	54
35	Synthesis, characterization, enhanced sunlight photocatalytic properties, and stability of Ag/Ag₃PO₄nanostructure-sensitized BiPO₄. RSC Advances, 2015, 5, 43854-43862.	1.7	28
36	Surface-enhanced Raman scattering-active desert-rose-like Ag mesoparticles prepared using cyclic voltammetric methods. RSC Advances, 2015, 5, 93293-93300.	1.7	9

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37	Exploring the Stability of Gold Nanoparticles by Experimenting with Adsorption Interactions of Nanomaterials in an Undergraduate Lab. Journal of Chemical Education, 2015, 92, 1066-1070.	1.1	24
38	Electrochemical Synthesis and Deposition of Surface-Enhanced Raman Scattering-Active Silver Microstructures on a Screen-Printed Carbon Electrode. Journal of Physical Chemistry C, 2015, 119, 24865-24874.	1.5	23
39	A dipole-assisted solid-phase extraction microchip combined with inductively coupled plasma-mass spectrometry for online determination of trace heavy metals in natural water. Analyst, The, 2015, 140, 600-608.	1.7	31
40	A Colorimetric Sensing of Hg(II) Ions Using 3-Mercaptopropionic Acid Modified Au Nanoparticles for the Undergraduate Chemistry Laboratory Curriculum. Journal of Nano Education (Print), 2015, 7, 1-9.	0.3	1
41	Separation of total lipids on human lipoproteins using surfactantâ€coated multiwalled carbon nanotubes as pseudostationary phase in capillary electrophoresis. Electrophoresis, 2014, 35, 978-985.	1.3	13
42	A non-aggregation colorimetric method for trace lead(<scp>ii</scp>) ions based on the leaching of gold nanorods. Analytical Methods, 2014, 6, 7234-7242.	1.3	28
43	Controlled synthesis, characterization and photocatalytic activity of BiPO₄ nanostructures with different morphologies. Materials Research Express, 2014, 1, 025023.	0.8	36
44	A facile colorimetric assay for determination of salicylic acid in tobacco leaves using titanium dioxide nanoparticles. Analytical Methods, 2014, 6, 1759-1765.	1.3	26
45	Estimation of tea catechin levels using micellar electrokinetic chromatography: A quantitative approach. Food Chemistry, 2014, 150, 145-150.	4.2	20
46	Green Synthesis of Gold/Silver Hybrid Nanostructures for Surfaceenhanced Raman Scattering Spectroscopy. Current Nanoscience, 2014, 10, 613-620.	0.7	3
47	Fluorescent Detection of Lead in Environmental Water and Urine Samples Using Enzyme Mimics of Catechin-Synthesized Au Nanoparticles. ACS Applied Materials & Interfaces, 2013, 5, 1503-1509.	4.0	87
48	A highly selective and sensitive fluorescence assay for determination of copper(ii) and cobalt(ii) ions in environmental water and toner samples. Analyst, The, 2013, 138, 1232.	1.7	52
49	Ligand effect on the luminescence of gold nanodots and its application for detection of total mercury ions in biological samples. RSC Advances, 2013, 3, 4588.	1.7	48
50	Gold Nanosponges: Green Synthesis, Characterization, and Cytotoxicity. Journal of Nanoscience and Nanotechnology, 2013, 13, 6566-6574.	0.9	5
51	Colorimetric Bioassay Using Noble Metal Nanoparticles. , 2012, , 29-56.		1
52	Catalytic gold nanoparticles for fluorescent detection of mercury(II) and lead(II) ions. Analytica Chimica Acta, 2012, 745, 124-130.	2.6	91
53	Selective Detection of Iodide and Cyanide Anions Using Gold-Nanoparticle-Based Fluorescent Probes. ACS Applied Materials & Interfaces, 2012, 4, 2652-2658.	4.0	123
54	Detection of mercury and phenylmercury ions using DNA-based fluorescent probe. Analyst, The, 2011, 136, 3323.	1.7	17

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55	Gold nanoparticle probes for the detection of mercury, lead and copper ions. Analyst, The, 2011, 136, 863-871.	1.7	353
56	Fluorescence Detection of Lead(II) Ions Through Their Induced Catalytic Activity of DNAzymes. Analytical Chemistry, 2011, 83, 225-230.	3.2	156
57	Fluorescence detection of mercury(II) and lead(II) ions using aptamer/reporter conjugates. Talanta, 2011, 84, 324-329.	2.9	75
58	Synthesis and characterization of Zn x Hg1âˆ'x Se y S1âˆ'y quantum dots. Journal of Nanoparticle Research, 2010, 12, 1377-1388.	0.8	10
59	Quantification of captopril in urine through surface-assisted laser desorption/ionization mass spectrometry using 4-mercaptobenzoic acid-capped gold nanoparticles as an internal standard. Journal of the American Society for Mass Spectrometry, 2010, 21, 864-867.	1.2	46
60	Nanomaterial-based surface-assisted laser desorption/ionization mass spectrometry of peptides and proteins. Journal of the American Society for Mass Spectrometry, 2010, 21, 1204-1207.	1.2	77
61	Accurate quantitation of glutathione in cell lysates through surface-assisted laser desorption/ionization mass spectrometry using gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 530-537.	1.7	53
62	Exploring the interactions between gold nanoparticles and analytes through surfaceâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 933-938.	0.7	23
63	Detection of Proteins and Proteinâˆ'Ligand Complexes Using HgTe Nanostructure Matrixes in Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2010, 82, 4543-4550.	3.2	70
64	Using electrospray ionization mass spectrometry to explore the interactions among polythymine oligonucleotides, ethidium bromide, and mercury ions. Journal of the American Society for Mass Spectrometry, 2009, 20, 1834-1840.	1.2	4
65	Aptamer-modified gold nanoparticles for targeting breast cancer cells through light scattering. Journal of Nanoparticle Research, 2009, 11, 775-783.	0.8	86
66	Fluorescence detection of single-nucleotide polymorphisms using a thymidine-based molecular beacon. Biosensors and Bioelectronics, 2009, 24, 2541-2546.	5.3	49
67	A simple strategy for improving the energy conversion of multilayered CdTe quantum dot-sensitized solar cells. Journal of Materials Chemistry, 2009, 19, 2349.	6.7	90
68	DNA functionalized gold nanoparticles for bioanalysis. Analytical Methods, 2009, 1, 14.	1.3	60
69	Capillary electrophoretic separation of biologically active amines and acids using nanoparticleâ€coated capillaries. Electrophoresis, 2008, 29, 1942-1951.	1.3	30
70	Selective growth of gold nanoparticles onto tellurium nanowires via a green chemical route. Journal of Materials Chemistry, 2008, 18, 2569.	6.7	36
71	Fluorescence detection of single nucleotide polymorphisms using a universal molecular beacon. Nucleic Acids Research, 2008, 36, e123-e123.	6.5	60
72	Synthesis of novel benzothiazole compounds with an extended conjugated system. Arkivoc, 2008, 2007, 113-122.	0.3	31

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73	Photo-assisted synthesis of highly fluorescent ZnSe(S) quantum dots in aqueous solution. Journal of Materials Chemistry, 2007, 17, 2661.	6.7	104
74	Manipulation of the Growth of Gold and Silver Nanomaterials on Glass by Seeding Approach. Langmuir, 2007, 23, 1435-1442.	1.6	35
75	Control of the Surface Charges of Auâ^'Ag Nanorods:â€‰ Selective Detection of Iron in the Presence of Poly(sodium 4-styrenesulfonate). Langmuir, 2007, 23, 12777-12781.	1.6	24
76	Analysis of double-stranded DNA by capillary electrophoresis using poly(ethylene oxide) in the presence of hexadecyltrimethylammonium bromide. Journal of Chromatography A, 2006, 1130, 206-211.	1.8	11
77	Analysis of biologically active amines by CE. Electrophoresis, 2006, 27, 4792-4807.	1.3	59
78	Using a Layer-by-Layer Assembly Technique to Fabricate Multicolored-Light-Emitting Films of CdSe@CdS and CdTe Quantum Dots. Advanced Materials, 2006, 18, 1381-1386.	11.1	97
79	Synthesis and Properties of Water-Soluble Coreâ€“Shellâ€“Shell Silicaâ€“CdSe/CdSâ€“Silica Nanoparticles. Journal of Nanoscience and Nanotechnology, 2006, 6, 1092-1100.	0.9	9
80	Growth of various Auâ€“Ag nanocomposites from gold seeds in amino acid solutions. Nanotechnology, 2006, 17, 4885-4894.	1.3	67
81	Modification of poly(methyl methacrylate) microchannels for highly efficient and reproducible electrophoretic separations of double-stranded DNA. Journal of Chromatography A, 2005, 1073, 191-199.	1.8	32
82	Photoassisted Synthesis of CdSe and Coreâ^'Shell CdSe/CdS Quantum Dots. Langmuir, 2005, 21, 728-734.	1.6	79
83	Nanomaterials and chip-based nanostructures for capillary electrophoretic separations of DNA. Electrophoresis, 2005, 26, 320-330.	1.3	68
84	Determination of tertiary amines based on pH junctions and field amplification in capillary electrophoresis with electrochemiluminescence detection. Electrophoresis, 2005, 26, 2984-2990.	1.3	36
85	Impacts that pH and metal ion concentration have on the synthesis of bimetallic and trimetallic nanorods from gold seeds. Journal of Materials Chemistry, 2005, 15, 2450.	6.7	25
86	Capillary electrophoretic separation of dsDNA under nonuniform electric fields. Analytical and Bioanalytical Chemistry, 2003, 376, 379-383.	1.9	8
87	A simple, rapid, and sensitive method for analysis of SYPRO Red labeled sodium dodecyl sulfate-protein complexes by capillary electrophoresis with laser-induced fluorescence. Electrophoresis, 2003, 24, 1730-1736.	1.3	24
88	Analysis of double-stranded DNA by microchip capillary electrophoresis using polymer solutions containing gold nanoparticles. Journal of Chromatography A, 2003, 1014, 47-55.	1.8	55
89	Laser-induced fluorescence technique for DNA and proteins separated by capillary electrophoresis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 793, 37-48.	1.2	54
90	Improved Separation of Microheterogeneities and Isoforms of Proteins by Capillary Electrophoresis Using Segmental Filling with SDS and PEO in the Background Electrolyte. Analytical Chemistry, 2002, 74, 4828-4834.	3.2	44

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91	DNA analysis on microfabricated electrophoretic devices with bubble cells. Electrophoresis, 2002, 23, 2477-2484.	1.3	20
92	On-line concentration of trace proteins by pH junctions in capillary electrophoresis with UV absorption detection. Journal of Chromatography A, 2002, 979, 261-270.	1.8	49
93	Education of Nanoscience: Introduction to the Preparation, Characterization, and Application of Gold Nanoparticles. , 0, , .		0