Yu-Hsu Chang

List of Publications by Year
in descending order

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46	744	394421	552781
papers	citations	19 h-index	26 g-index

48	48	48	993
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photochemical synthesis of Au nanostars on PMMA films by ethanol action as flexible SERS substrates for in-situ detection of antibiotics on curved surfaces. Chemical Engineering Journal, 2022, 431, 134240.	12.7	36
2	Ultrasensitive SERS substrates based on Au nanoparticles photo-decorated on Cu2O microspheres for the detection of rhodamine B and methylene blue. Applied Surface Science, 2022, 585, 152696.	6.1	26
3	Insights into Electrocatalytic Oxygen Evolution over Hierarchical FeCo₂S₄ Nanospheres. ACS Sustainable Chemistry and Engineering, 2022, 10, 431-440.	6.7	10
4	A photochemical approach to anchor Au NPs on MXene as a prominent SERS substrate for ultrasensitive detection of chlorpromazine. Mikrochimica Acta, 2022, 189, 16.	5.0	18
5	Ultrasensitive and reusable SERS platform based on Ag modified WO3 nanoflakes for catechol detection. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 282, 115753.	3.5	4
6	A new solution route for the synthesis of CuFeO2 and Mg-doped CuFeO2 as catalysts for dye degradation and CO2 conversion. Journal of Alloys and Compounds, 2021, 854, 157235.	5.5	20
7	Ultrasensitive and reusable SERS probe for the detection of synthetic dyes in food industry through hybrid flower-shaped ZnO@Ag nanostructures. Journal of Alloys and Compounds, 2021, 861, 157952.	5.5	38
8	Development of geopolymer derived from slag waste based composite film on cotton fabric: A preliminary approach for flame retardant behavior. Materialia, 2021, 15, 101052.	2.7	3
9	Significant increases in the dielectric properties of Zn2+-modified porous clay and bacterial cellulose composite sheets. Journal of Materials Science: Materials in Electronics, 2021, 32, 10600-10610.	2.2	5
10	Photochemical decoration of silver nanoparticles on silver vanadate nanorods as an efficient SERS probe for ultrasensitive detection of chloramphenicol residue in real samples. Chemosphere, 2021, 275, 130115.	8.2	31
11	Development of SERS platform based on ZnO multipods decorated with Ag nanospheres for detection of 4-nitrophenol and rhodamine 6G in real samples. Microchemical Journal, 2021, 170, 106660.	4.5	25
12	Photochemical synthesis of Ag/Au/AgCl heterostructure from Ag nanowires as a reusable SERS substrate for ultrasensitive detection of analgesics and antibiotics. Chemical Engineering Journal, 2021, 423, 130191.	12.7	24
13	Gold Nanohelices: A New Synthesis Route, Characterization, and Plasmonic E-Field Enhancement. ACS Omega, 2020, 5, 14860-14867.	3.5	4
14	Utilization of Palm Olein-Based Polyol for Polyurethane Foam Sponge Synthesis: Potential as a Sorbent Material. Journal of Polymers and the Environment, 2020, 28, 3181-3191.	5.0	5
15	In-situ deposition of silver nanoparticles on silver nanoflowers for ultrasensitive and simultaneous SERS detection of organic pollutants. Microchemical Journal, 2020, 159, 105520.	4.5	28
16	Two-dimensional titanium carbide (MXene) nanosheets as an efficient electrocatalyst for 4-nitroquinoline N-oxide detection. Journal of Molecular Liquids, 2020, 312, 113354.	4.9	31
17	Development of CuO particles onto bacterial cellulose sheets by forced hydrolysis: A synergistic approach for generating sheets with photocatalytic and antibiofouling properties. International Journal of Biological Macromolecules, 2019, 136, 1142-1152.	7.5	38
18	Surfactant-assisted galvanic synthesis and growth characteristics of copper nanowires. Inorganic Chemistry Frontiers, 2019, 6, 57-62.	6.0	5

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19	Helical Structure-Dependent Surface-Enhanced Raman Spectroscopy Enhancement in Gold Nanohelices. Journal of Physical Chemistry C, 2019, 123, 5626-5633.	3.1	9
20	Synthesis and Characterization of Carbon Fiberâ€Reinforced Silicon Carbide Composites with an Interlayer of Amorphous Carbon Thin Film Prepared by Precursor Infiltration and Pyrolysis Processes. Advanced Engineering Materials, 2019, 21, 1800583.	3.5	3
21	Lipid-Wrapped Upconversion Nanoconstruct/Photosensitizer Complex for Near-Infrared Light-Mediated Photodynamic Therapy. ACS Applied Materials & Interfaces, 2019, 11, 84-95.	8.0	29
22	Effects of erbium content on the morphological and photoluminescent properties of sol-gel prepared yttrium oxide film. Ceramics International, 2018, 44, 1916-1921.	4.8	2
23	Synthesis and photoluminescence properties of erbium oxide thin films prepared by sol-gel method. Ceramics International, 2018, 44, 1163-1167.	4.8	4
24	Numerical simulation of nanopost-guided self-organization dendritic architectures using phase-field model. PLoS ONE, 2018, 13, e0199620.	2.5	1
25	Synthesis of monodispersed hexagonal and star-like gibbsite nanoplatelets by sol-gel method. Materials Letters, 2017, 194, 202-204.	2.6	5
26	The synthesis of a gold nanodiskâ€“molecular layerâ€“gold film vertical structure: a molecular layer as the spacer for SERS hot spot investigations. Materials Chemistry Frontiers, 2017, 1, 922-927.	5.9	6
27	An Integrated System to Remotely Trigger Intracellular Signal Transduction by Upconversion Nanoparticle-mediated Kinase Photoactivation. Journal of Visualized Experiments, 2017, , .	0.3	1
28	Rectangular copper nanotubes. RSC Advances, 2015, 5, 108002-108006.	3.6	3
29	A study of the underpotential deposition of copper on cetyltrimethylammonium halides covering gold nanoparticle thin films. Journal of Applied Electrochemistry, 2015, 45, 1133-1139.	2.9	1
30	Construction of a Near-Infrared-Activatable Enzyme Platform To Remotely Trigger Intracellular Signal Transduction Using an Upconversion Nanoparticle. ACS Nano, 2015, 9, 7041-7051.	14.6	28
31	Magnetron sputtering process of carbon-doped Î±-Fe2O3 thin films for photoelectrochemical water splitting. Journal of Alloys and Compounds, 2015, 636, 176-182.	5.5	59
32	Gold nanospirals. RSC Advances, 2015, 5, 75268-75271.	3.6	5
33	Electroless deposition of Cu nanostructures on molecular patterns prepared by dip-pen nanolithography. Journal of Materials Chemistry, 2012, 22, 3377.	6.7	9
34	Phase Segregation Assisted Morphology Sculpting:â€‰ Growth of Graphite and Silicon Crystals via Vaporâ^'Solid Reactions. Journal of Physical Chemistry C, 2007, 111, 4138-4145.	3.1	5
35	Reaction Growth of MF2/a-C (M = Ca, Mg) Core/Shell Nanowires at the Interface of Vapor and Solid Reactants. Langmuir, 2006, 22, 10-12.	3.5	21
36	Formation of Porous Carbon Materials with in Situ Generated NaF Nanotemplate. Journal of Physical Chemistry B, 2006, 110, 11818-11822.	2.6	9

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37	Dip-Pen Nanolithography of High-Melting-Temperature Molecules. Journal of Physical Chemistry B, 2006, 110, 20756-20758.	2.6	18
38	Tetrahydrofuran Activation Assisted Synthesis of Nanosized Lithium Niobate and Lithium Tantalate. Journal of the Chinese Chemical Society, 2006, 53, 287-292.	1.4	3
39	Synthesis of Silicon Carbide Nanostructures via a Simplified Yajima Process?Reaction at the Vapor-Liquid Interface. Advanced Materials, 2005, 17, 419-422.	21.0	21
40	SiCl3CCl3 as a novel precursor for chemical vapor deposition of amorphous carbon films. Carbon, 2003, 41, 1169-1174.	10.3	8
41	Synthesis of sp2 carbon nano- and microrods with novel structure and morphology. Journal of Materials Chemistry, 2003, 13, 981-982.	6.7	15
42	Chemical vapor deposition of tantalum carbide and carbonitride thin films from Me3CE[[Ta(CH2CMe3)3 (E = CH, N)Electronic supplementary information (ESI) available: AFM and SEM images of TaC and TaCN films deposited on Si(100) at 773, 823 and 923 K. See http://www.rsc.org/suppdata/jm/b2/b208129f/. Journal of Materials Chemistry, 2003, 13, 365-369.	6.7	22
43	Nano-sizing titanium into titanium carbide by 1-chlorobutane. Journal of Materials Research, 2002, 17, 2779-2782.	2.6	17
44	Syntheses of nano-sized cubic phase early transition metal carbides from metal chlorides and n-butyllithium. Journal of Materials Chemistry, 2002, 12, 2189-2191.	6.7	35
45	Low-Temperature Synthesis of Transition Metal Nanoparticles from Metal Complexes and Organopolysilane Oligomers. Chemistry of Materials, 2002, 14, 4334-4338.	6.7	26
46	A disposable electrochemical sensor based on iron molybdate for the analysis of dopamine in biological samples. New Journal of Chemistry, 0, , .	2.8	5