

# Yu-Hsu Chang

## List of Publications by Year in descending order

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46  
papers

744  
citations

394421

19  
h-index

552781

26  
g-index

48  
all docs

48  
docs citations

48  
times ranked

993  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetron sputtering process of carbon-doped $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> thin films for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2015, 636, 176-182.	5.5	59
2	Development of CuO particles onto bacterial cellulose sheets by forced hydrolysis: A synergistic approach for generating sheets with photocatalytic and antibiofouling properties. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 1142-1152.	7.5	38
3	Ultrasensitive and reusable SERS probe for the detection of synthetic dyes in food industry through hybrid flower-shaped ZnO@Ag nanostructures. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157952.	5.5	38
4	Photochemical synthesis of Au nanostars on PMMA films by ethanol action as flexible SERS substrates for in-situ detection of antibiotics on curved surfaces. <i>Chemical Engineering Journal</i> , 2022, 431, 134240.	12.7	36
5	Syntheses of nano-sized cubic phase early transition metal carbides from metal chlorides and n-butyllithium. <i>Journal of Materials Chemistry</i> , 2002, 12, 2189-2191.	6.7	35
6	Photochemical decoration of silver nanoparticles on silver vanadate nanorods as an efficient SERS probe for ultrasensitive detection of chloramphenicol residue in real samples. <i>Chemosphere</i> , 2021, 275, 130115.	8.2	31
7	Two-dimensional titanium carbide (MXene) nanosheets as an efficient electrocatalyst for 4-nitroquinoline N-oxide detection. <i>Journal of Molecular Liquids</i> , 2020, 312, 113354.	4.9	31
8	Lipid-Wrapped Upconversion Nanoconstruct/Photosensitizer Complex for Near-Infrared Light-Mediated Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 84-95.	8.0	29
9	Construction of a Near-Infrared-Activatable Enzyme Platform To Remotely Trigger Intracellular Signal Transduction Using an Upconversion Nanoparticle. <i>ACS Nano</i> , 2015, 9, 7041-7051.	14.6	28
10	In-situ deposition of silver nanoparticles on silver nanoflowers for ultrasensitive and simultaneous SERS detection of organic pollutants. <i>Microchemical Journal</i> , 2020, 159, 105520.	4.5	28
11	Low-Temperature Synthesis of Transition Metal Nanoparticles from Metal Complexes and Organopolysilane Oligomers. <i>Chemistry of Materials</i> , 2002, 14, 4334-4338.	6.7	26
12	Ultrasensitive SERS substrates based on Au nanoparticles photo-decorated on Cu <sub>2</sub> O microspheres for the detection of rhodamine B and methylene blue. <i>Applied Surface Science</i> , 2022, 585, 152696.	6.1	26
13	Development of SERS platform based on ZnO multipods decorated with Ag nanospheres for detection of 4-nitrophenol and rhodamine 6G in real samples. <i>Microchemical Journal</i> , 2021, 170, 106660.	4.5	25
14	Photochemical synthesis of Ag/Au/AgCl heterostructure from Ag nanowires as a reusable SERS substrate for ultrasensitive detection of analgesics and antibiotics. <i>Chemical Engineering Journal</i> , 2021, 423, 130191.	12.7	24
15	Chemical vapor deposition of tantalum carbide and carbonitride thin films from Me <sub>3</sub> CEtTa(CH <sub>2</sub> CMe <sub>3</sub> ) <sub>3</sub> (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 <a href="http://www.rsc.org/suppdata/jm/b2/b208129f/">http://www.rsc.org/suppdata/jm/b2/b208129f/</a> . <i>Journal of Materials Chemistry</i> , 2003, 13, 365-369.	6.7	22
16	Synthesis of Silicon Carbide Nanostructures via a Simplified Yajima Process?Reaction at the Vapor-Liquid Interface. <i>Advanced Materials</i> , 2005, 17, 419-422.	21.0	21
17	Reaction Growth of MF <sub>2</sub> /a-C (M = Ca, Mg) Core/Shell Nanowires at the Interface of Vapor and Solid Reactants. <i>Langmuir</i> , 2006, 22, 10-12.	3.5	21
18	A new solution route for the synthesis of CuFeO <sub>2</sub> and Mg-doped CuFeO <sub>2</sub> as catalysts for dye degradation and CO <sub>2</sub> conversion. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157235.	5.5	20

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19	Dip-Pen Nanolithography of High-Melting-Temperature Molecules. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20756-20758.	2.6	18
20	A photochemical approach to anchor Au NPs on MXene as a prominent SERS substrate for ultrasensitive detection of chlorpromazine. <i>Mikrochimica Acta</i> , 2022, 189, 16.	5.0	18
21	Nano-sizing titanium into titanium carbide by 1-chlorobutane. <i>Journal of Materials Research</i> , 2002, 17, 2779-2782.	2.6	17
22	Synthesis of sp <sup>2</sup> carbon nano- and microrods with novel structure and morphology. <i>Journal of Materials Chemistry</i> , 2003, 13, 981-982.	6.7	15
23	Insights into Electrocatalytic Oxygen Evolution over Hierarchical FeCo <sub>2</sub> S <sub>4</sub> Nanospheres. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 431-440.	6.7	10
24	Formation of Porous Carbon Materials with in Situ Generated NaF Nanotemplate. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11818-11822.	2.6	9
25	Electroless deposition of Cu nanostructures on molecular patterns prepared by dip-pen nanolithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 3377.	6.7	9
26	Helical Structure-Dependent Surface-Enhanced Raman Spectroscopy Enhancement in Gold Nanohelices. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5626-5633.	3.1	9
27	SiCl <sub>3</sub> CCl <sub>3</sub> as a novel precursor for chemical vapor deposition of amorphous carbon films. <i>Carbon</i> , 2003, 41, 1169-1174.	10.3	8
28	The synthesis of a gold nanodiskâ€“molecular layerâ€“gold film vertical structure: a molecular layer as the spacer for SERS hot spot investigations. <i>Materials Chemistry Frontiers</i> , 2017, 1, 922-927.	5.9	6
29	Phase Segregation Assisted Morphology Sculpting:â€” Growth of Graphite and Silicon Crystals via Vaporâ€“Solid Reactions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4138-4145.	3.1	5
30	Gold nanospirals. <i>RSC Advances</i> , 2015, 5, 75268-75271.	3.6	5
31	Synthesis of monodispersed hexagonal and star-like gibbsite nanoplatelets by sol-gel method. <i>Materials Letters</i> , 2017, 194, 202-204.	2.6	5
32	Surfactant-assisted galvanic synthesis and growth characteristics of copper nanowires. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 57-62.	6.0	5
33	Utilization of Palm Olein-Based Polyol for Polyurethane Foam Sponge Synthesis: Potential as a Sorbent Material. <i>Journal of Polymers and the Environment</i> , 2020, 28, 3181-3191.	5.0	5
34	A disposable electrochemical sensor based on iron molybdate for the analysis of dopamine in biological samples. <i>New Journal of Chemistry</i> , 0, , .	2.8	5
35	Significant increases in the dielectric properties of Zn <sup>2+</sup> -modified porous clay and bacterial cellulose composite sheets. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10600-10610.	2.2	5
36	Synthesis and photoluminescence properties of erbium oxide thin films prepared by sol-gel method. <i>Ceramics International</i> , 2018, 44, 1163-1167.	4.8	4

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37	Gold Nanohelices: A New Synthesis Route, Characterization, and Plasmonic E-Field Enhancement. ACS Omega, 2020, 5, 14860-14867.	3.5	4
38	Ultrasensitive and reusable SERS platform based on Ag modified WO <sub>3</sub> nanoflakes for catechol detection. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 282, 115753.	3.5	4
39	Tetrahydrofuran Activation Assisted Synthesis of Nanosized Lithium Niobate and Lithium Tantalate. Journal of the Chinese Chemical Society, 2006, 53, 287-292.	1.4	3
40	Rectangular copper nanotubes. RSC Advances, 2015, 5, 108002-108006.	3.6	3
41	Synthesis and Characterization of Carbon Fiber-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
42	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
43	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
44	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
45	An Integrated System to Remotely Trigger Intracellular Signal Transduction by Upconversion Nanoparticle-mediated Kinase Photoactivation. Journal of Visualized Experiments, 2017, , .	0.3	1
46	Numerical simulation of nanopost-guided self-organization dendritic architectures using phase-field model. PLoS ONE, 2018, 13, e0199620.	2.5	1