

Kuan-Jiuh Lin

List of Publications by Year in descending order

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52
papers

1,252
citations

393982

19
h-index

377514

34
g-index

53
all docs

53
docs citations

53
times ranked

2352
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Plasmonic Response from Alkanethiolate-Stabilized Gold Nanoparticle Superlattices: Evidence of Near-Field Coupling. <i>Journal of the American Chemical Society</i> , 2008, 130, 824-826.	6.6	215
2	Hydrothermally Processed TiO ₂ Nanowire Electrodes with Antireflective and Electrochromic Properties. <i>ACS Nano</i> , 2012, 6, 6633-6639.	7.3	179
3	Porous honeycomb structures formed from interconnected MnO ₂ sheets on CNT-coated substrates for flexible all-solid-state supercapacitors. <i>Scientific Reports</i> , 2016, 6, 18887.	1.6	54
4	Plasmon-Enhanced Photocurrent using Gold Nanoparticles on a Three-Dimensional TiO ₂ Nanowire-Web Electrode. <i>Scientific Reports</i> , 2017, 7, 42524.	1.6	49
5	Towards the Development of Electrical Conduction and Lithium-Ion Transport in a Tetragonal Porphyrin Wire. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1505-1508.	7.2	43
6	Towards a high-throughput label-free detection system combining localized-surface plasmon resonance and microfluidics. <i>Lab on A Chip</i> , 2012, 12, 3012.	3.1	43
7	Plasmon-Induced Efficiency Enhancement on Dye-Sensitized Solar Cell by a 3D TNW-AuNP Layer. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1892-1898.	4.0	41
8	Synthesis of Pyramidal Copper Nanoparticles on Gold Substrate. <i>Chemistry of Materials</i> , 2006, 18, 6097-6099.	3.2	40
9	Measuring plasmon-resonance enhanced third-harmonic I ₃ (3) of Ag nanoparticles. <i>Applied Physics Letters</i> , 2006, 89, 043122.	1.5	39
10	Highly electrocatalytic reduction of nitrite ions on a copper nanoparticles thin film. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 437-441.	4.0	38
11	Green synthesis of carbon quantum dots embedded onto titanium dioxide nanowires for enhancing photocurrent. <i>Royal Society Open Science</i> , 2017, 4, 161051.	1.1	37
12	Hydrothermal synthesis of a thermally stable porous supramolecular [Co ₂ (C ₁₂ H ₈ N ₂) ₄ (1/4-C ₄ O ₄)(OH ₂) ₂ ·C ₄ O ₄]·8H ₂ O. <i>Chemical Communications</i> , 2001, , 1082-1083.	2.2	35
13	Vertically Standing MnO ₂ Nanowalls Grown on AgCNT-Modified Carbon Fibers for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 669-678.	3.2	34
14	One-Step Solvothermal-Processed 3D Spinel-Type Manganese Oxide Microspheres and Their Improved Supercapacitive Properties. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16290-16296.	1.5	30
15	High sensitivity and selectivity of human antibody attachment at the interstices between substrate-bound gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 872-874.	2.2	28
16	Formation Mechanism, Patterning, and Physical Properties of Gold-Nanoparticle Films Assembled by an Interaction-Controlled Centrifugal Method. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8095-8101.	1.5	22
17	Green technique solvent-free fabrication of silver nanoparticle-carbon nanotube flexible films for wearable sensors. <i>Sensors and Actuators A: Physical</i> , 2021, 317, 112437.	2.0	22
18	Effects of Carbon Nanotubes on Dye-Sensitized Solar Cells. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 1180-1184.	0.8	20

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19	Towards Electrochemical Artificial Muscles: A Supramolecular Machine Based on a One-Dimensional Copper-Containing Organophosphonate System. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4186-4189.	7.2	19
20	The Role of the Fabrication of Anatase-TiO ₂ Chain-Networked Photoanodes. <i>Advanced Materials</i> , 2011, 23, 3970-3973.	11.1	16
21	Extraordinary mechanical flexibility in composite thin films composed of bimetallic AgPt nanoparticle-decorated multi-walled carbon nanotubes. <i>Carbon</i> , 2012, 50, 2244-2251.	5.4	16
22	Highly conductive, transparent flexible films based on open rings of multi-walled carbon nanotubes. <i>Thin Solid Films</i> , 2011, 519, 7717-7722.	0.8	15
23	Immunoassay of plasmonic gold nanoparticle clusters: Plasmon coupling effects for Parkinson biomarker detection. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 982-987.	0.8	15
24	The facile fabrication of tunable plasmonic gold nanostructure arrays using microwave plasma. <i>Nanotechnology</i> , 2010, 21, 035302.	1.3	14
25	Enhancing the performance of dye-sensitized solar cells based on TiO ₂ nanotube/nanoparticle composite photoanodes. <i>Electrochimica Acta</i> , 2013, 105, 142-148.	2.6	13
26	Growth of Copper Phthalocyanine Rods on Au Plasmon Electrodes through Micelle Disruption Methods. <i>Langmuir</i> , 2010, 26, 2191-2195.	1.6	12
27	Fabrication of Hexagonal Boron Nitride Nanosheets by Using a Simple Thermal Exfoliation Process. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 303-307.	0.8	12
28	One-Stage Template-free KOH Activation for Mesopore-enriched Carbons and Their Application in CO ₂ Capture. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 1041-1047.	0.8	12
29	Ultrasensitive label- and amplification-free photoelectric protocols based on sandwiched layer-by-layer plasmonic nanocomposite films for the detection of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2019, 126, 455-462.	5.3	12
30	A Novel Hydrogen Peroxide Amperometric Sensor Based on Hierarchical 3D Porous MnO ₂ -TiO ₂ Composites. <i>Electroanalysis</i> , 2019, 31, 797-804.	1.5	10
31	Highly Conductive, Transparent Flexible Films Based on Metal Nanoparticle-Carbon Nanotube Composites. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-16.	1.5	9
32	Chain-network anatase/TiO ₂ (B) thin film with improved photocatalytic efficiency. <i>Nanotechnology</i> , 2014, 25, 235602.	1.3	9
33	A Pearl-Chain-like Anode Composed of Silicon-Porphyrin Hits Peaks in Lithium-Ion Capacity. <i>ACS Applied Energy Materials</i> , 2020, 3, 6098-6106.	2.5	9
34	Toward quantitative SERS detection in low analyte concentration by investigating the immersion volume and time of SERS substrate in analyte solution. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 33-39.	1.2	9
35	Fabrication of porous carbon nanotube network. <i>Chemical Communications</i> , 2008, , 5631.	2.2	8
36	3D Porous Mixed-Valent Manganese Oxide Nanosheets Electrodeposited onto Flexible Ag-CNT Textiles for Highly Improved Capacitive Performances. <i>ChemistrySelect</i> , 2017, 2, 11503-11512.	0.7	8

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37	Well-aligned multi-walled carbon nanotubes emitting natural white-light under microwave irradiation. <i>Chemical Communications</i> , 2009, , 6777.	2.2	7
38	One-Pot Green Synthesis of a PEO/TCPP/LiClO ₄ Solid Polymer Electrolyte with Improvement of Ion Transport. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22960-22969.	1.5	7
39	A novel oxidative alkylation-nitration of 1,3-dicarbonyl compounds to dicyclopentadiene and norbornene. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 2939-2942.	1.3	6
40	Intramolecular [2+2] Photocycloaddition-Fragmentation: Facile Entry to a Novel Tricyclic 5-6-7 Ring System. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 917-926.	0.8	6
41	PRINCIPLES OF SINGLE-MOLECULE MANIPULATION AND ITS APPLICATION IN BIOLOGICAL PHYSICS. <i>International Journal of Modern Physics B</i> , 2012, 26, 1230006.	1.0	6
42	One-Pot Synthesis of Nitrogen-Doped TiO ₂ Nanowires with Enhanced Photocurrent Generation. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 1392-1398.	0.8	6
43	Fabrication of self-standing Si-TiO ₂ web-nanowired anodes for high volumetric capacity lithium ion microbatteries. <i>Nano Express</i> , 2020, 1, 030014.	1.2	6
44	Surface Plasmon-Induced Photoluminescence in Au-CdSe Hybrid Architectonic Solids. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 790-794.	0.8	5
45	Sonophysically-Exfoliated Individual Multi-Walled Carbon Nanotubes in Water Solution. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 935-939.	0.8	4
46	Solvothermal synthesis of shape-controlled manganese oxide materials and their electrochemical capacitive performances. <i>Journal of Materials Research</i> , 2014, 29, 107-114.	1.2	4
47	Hydrothermal Synthesis of High-Surface-Area Anatase TiO ₂ Nanoparticles for Enhancing the Photovoltaic Performance of Solar Cells. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 705-709.	0.8	3
48	Solvothermal Synthesis of Self-Assembled Free-Based Porphyrin Wires. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 191-199.	0.8	2
49	Large-Sized Fabrication of Tunable Plasmonic Electrodes <i>Via</i> Electrodeposition. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 162-166.	0.8	1
50	Schist-like Nanostructured Manganese Oxides and Their Electrochemical Capacitance Properties. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 149-153.	0.8	1
51	Molecular imaging of cancer cells using plasmon-resonant-enhanced third-harmonic-generation microscopy with silver nanoparticles. , 2005, , .		0
52	Spectral evidence on the plasmon-resonant enhanced third-harmonic ⁽³⁾ of Ag nanoparticles. , 2006, , .		0