Chuan-Ming Tseng

List of Publications by Year
in descending order

53	1,612	279487	301761
papers	citations	23 h-index	39 g-index

54	54	54	3433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Patterned Cocatalyst TiO2/Fe2O3 Photoanodes for Water-Splitting. Nanoscale Research Letters, 2021, 16, 76.	3.1	2
2	Electronic and atomic structure of TiO2 anatase spines on sea-urchin-like microspheres by X-ray absorption spectroscopy. Applied Surface Science, 2020, 502, 144297.	3.1	18
3	Effect of Composition Ratios on the Performance of Graphene/Carbon Nanotube/Manganese Oxide Composites toward Supercapacitor Applications. ACS Omega, 2020, 5, 578-587.	1.6	21
4	Stable anatase phase with a bandgap in visible light region by a charge compensated Gaâ€“V (1:1) co-doping in TiO2. Ceramics International, 2020, 46, 8958-8970.	2.3	7
5	A layer-by-layer assembled coating for improved stress corrosion cracking on biomedical magnesium alloy in cell culture medium. Surface and Coatings Technology, 2020, 403, 126427.	2.2	16
6	Enhancing Water-Splitting Efficiency Using a Zn/Sn-Doped PN Photoelectrode of Pseudocubic Î±-Fe2O3 Nanoparticles. Nanoscale Research Letters, 2020, 15, 130.	3.1	5
7	Ptâ€“RuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /> <mml:mi mathvariant="normal">u</mml:mi> </mml:msub></mml:math>â€“SnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /> <mml:mi mathvariant="normal">v</mml:mi> </mml:msub></mml:math>/CMK-3 composite electrocatalysts for the methanol oxidation reaction. Comptes Rendus Chimie, 2020, 23, 343-356.	0.2	4
8	Exploitation of de-oiled jatropha waste for gold nanoparticles synthesis: A green approach. Arabian Journal of Chemistry, 2018, 11, 247-255.	2.3	58
9	Mechanical property and corrosion resistance evaluation of AZ31 magnesium alloys by plasma electrolytic oxidation treatment: Effect of MoS2 particle addition. Surface and Coatings Technology, 2018, 350, 813-822.	2.2	49
10	Plasmon-Induced Visible-Light Photocatalytic Activity of Au Nanoparticle-Decorated Hollow Mesoporous TiO₂: A View by X-ray Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 6955-6962.	1.5	25
11	Stabilization of anatase phase by uncompensated Ga-VÂco-doping in TiO2: A structural phase transition, grain growth and optical property study. Ceramics International, 2018, 44, 22445-22455.	2.3	11
12	Comparative Study on the Morphology-Dependent Performance of Various CuO Nanostructures as Anode Materials for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 10876-10885.	3.2	37
13	Role of oxygen vacancies and interstitials on structural phase transition, grain growth, and optical properties of Ga doped TiO2. Journal of Applied Physics, 2018, 123, 245702.	1.1	26
14	Ecoâ€Efficient Synthesis of Highly Porous CoCO₃ Anodes from Supercritical CO₂ for Li⁺ and Na⁺ Storage. ChemSusChem, 2017, 10, 2464-2472.	3.6	21
15	Pt 20 Ru x Sn y nanoparticles dispersed on mesoporous carbon CMK-3 and their application in the oxidation of 2-carbon alcohols and fermentation effluent. Electrochimica Acta, 2017, 225, 207-214.	2.6	8
16	Size and strain dependent anatase to rutile phase transition in TiO2 due to Si incorporation. Journal of Materials Science: Materials in Electronics, 2017, 28, 19017-19024.	1.1	12
17	Plasma electrolytic oxidation coatings on AZ31 magnesium alloys with Si3N4 nanoparticle additives. Surface and Coatings Technology, 2017, 332, 358-367.	2.2	64
18	Electrolyte Optimization for Enhancing Electrochemical Performance of Antimony Sulfide/Graphene Anodes for Sodium-Ion Batteriesâ€“Carbonate-Based and Ionic Liquid Electrolytes. ACS Sustainable Chemistry and Engineering, 2017, 5, 8269-8276.	3.2	43

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19	Facile chemical synthesis and enhanced thermoelectric properties of Ag doped SnSe nanocrystals. RSC Advances, 2017, 7, 34300-34306.	1.7	24
20	Photocatalytic Activities Enhanced by Au-Plasmonic Nanoparticles on TiO2 Nanotube Photoelectrode Coated with MoO3. Nanoscale Research Letters, 2017, 12, 560.	3.1	9
21	Growth and Superconducting Characteristics of Novel BiS2-Based Layered Superconductor Bi4O4S3. Science of Advanced Materials, 2017, 9, 1780-1784.	0.1	0
22	Microemulsion-assisted Zinc Oxide Synthesis: Morphology Control and Its Applications in Photoanodes of Dye-Sensitized Solar Cells. Electrochimica Acta, 2016, 210, 483-491.	2.6	20
23	Microplasma-assisted bottom-up synthesis of graphene nanosheets with superior sodium-ion storage performance. Journal of Materials Chemistry A, 2016, 4, 7624-7631.	5.2	21
24	Exploitation of a spontaneous spatial charge separation effect in plasmonic polyhedral Î±-Fe2O3 nanocrystal photoelectrodes for hydrogen production. Nano Energy, 2016, 30, 523-530.	8.2	16
25	Hierarchically assembled microspheres consisting of nanosheets of highly exposed (001)-facets TiO₂ for dye-sensitized solar cells. RSC Advances, 2016, 6, 14178-14191.	1.7	26
26	Mesoporous anatase-TiO 2 spheres consisting of nanosheets of exposed (001)-facets for [Co(byp) 3] 2+/3+ based dye-sensitized solar cells. Nano Energy, 2016, 22, 136-148.	8.2	17
27	Interconnected coreâ€“shell carbon nanotubeâ€“graphene nanoribbon scaffolds for anchoring cobalt oxides as bifunctional electrocatalysts for oxygen evolution and reduction. Journal of Materials Chemistry A, 2015, 3, 13371-13376.	5.2	51
28	Low-temperature and template-free fabrication of cobalt oxide acicular nanotube arrays and their applications in supercapacitors. Journal of Materials Chemistry A, 2015, 3, 4042-4048.	5.2	15
29	Electrochemically grown nanocrystalline V2O5 as high-performance cathode for sodium-ion batteries. Journal of Power Sources, 2015, 285, 418-424.	4.0	51
30	Study on RuO2/CMK-3/CNTs composites for high power and high energy density supercapacitor. Applied Energy, 2015, 153, 15-21.	5.1	37
31	Microwave-assisted synthesis of titanium dioxide nanocrystalline for efficient dye-sensitized and perovskite solar cells. Solar Energy, 2015, 120, 345-356.	2.9	37
32	Electronic properties of free-standing TiO₂ nanotube arrays fabricated by electrochemical anodization. Physical Chemistry Chemical Physics, 2015, 17, 22064-22071.	1.3	42
33	Structural, compositional, and photoluminescence characterization of thermal chemical vapor deposition-grown Zn3N2 microtips. Journal of Applied Physics, 2014, 116, 143507.	1.1	7
34	Fe-vacancy order and superconductivity in tetragonal Î² -Fe _{1- x} Se. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 63-68.	3.3	66
35	Spatially controllable plasmon enhanced water splitting photocurrent in Au/TiO₂â€“Fe₂O₃cocatalyst system. RSC Advances, 2014, 4, 45710-45714.	1.7	18
36	Electrochemical carburization of pure iron in 1M Na2SO4 aqueous solution with the presence of supercritical carbon dioxide. Electrochemistry Communications, 2014, 49, 14-17.	2.3	1

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37	TiO 2 nanosheets with highly exposed (001)-facets for enhanced photovoltaic performance of dye-sensitized solar cells. Nano Energy, 2014, 10, 212-221.	8.2	30
38	Metal/graphene nanocomposites synthesized with the aid of supercritical fluid for promoting hydrogen release from complex hydrides. Nanoscale, 2014, 6, 12565-12572.	2.8	20
39	Enhanced Photocatalytic Water Splitting by Plasmonic TiO₂â€“Fe₂O₃ Cocatalyst under Visible Light Irradiation. Journal of Physical Chemistry C, 2014, 118, 12676-12681.	1.5	61
40	First-principle calculations analysis of ELNES splitting for Mn3O4 spinels related to atomic local symmetry. Ultramicroscopy, 2014, 140, 51-56.	0.8	7
41	Nanocrystalline Pd/carbon nanotube composites synthesized using supercritical fluid for superior glucose sensing performance. Journal of Alloys and Compounds, 2014, 615, S496-S500.	2.8	17
42	Corrosion properties of metals in dicyanamide-based ionic liquids. Corrosion Science, 2014, 78, 81-88.	3.0	43
43	Nitrogen-Doped Graphene Sheets Grown by Chemical Vapor Deposition: Synthesis and Influence of Nitrogen Impurities on Carrier Transport. ACS Nano, 2013, 7, 6522-6532.	7.3	264
44	Improved supercapacitor performance of MnO2â€“graphene composites constructed using a supercritical fluid and wrapped with an ionic liquid. Journal of Materials Chemistry A, 2013, 1, 3395.	5.2	51
45	An ultra-fast response gasochromic device for hydrogen gas detection. Sensors and Actuators B: Chemical, 2013, 186, 193-198.	4.0	31
46	Facile one-pot synthesis of Cu2ZnSnS4 quaternary nanoparticles using a microwave-assisted method. CrystEngComm, 2013, 15, 9863.	1.3	22
47	Stress-induced growth of single-crystalline lead telluride nanowires and their thermoelectric transport properties. Applied Physics Letters, 2013, 103, 023115.	1.5	20
48	Plastic based dye-sensitized solar cells using Co9S8 acicular nanotube arrays as the counter electrode. Journal of Materials Chemistry A, 2013, 1, 13759.	5.2	44
49	Roles of organic acids during exectrooxidation reaction over Pt-supported carbon electrodes in direct methanol fuel cells. International Journal of Hydrogen Energy, 2013, 38, 12984-12990.	3.8	6
50	Electroless deposition of Ni nanoparticles on carbon nanotubes with the aid of supercritical CO2 fluid and a synergistic hydrogen storage property of the composite. International Journal of Hydrogen Energy, 2010, 35, 5490-5497.	3.8	44
51	Environmentally assisted cracking behavior of single and dual phase stainless steels in hot chloride solutions. Materials Chemistry and Physics, 2004, 84, 162-170.	2.0	9
52	Effect of nitrogen content on the environmentally-assisted cracking susceptibility of duplex stainless steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 95-103.	1.1	18
53	The influence of nitrogen content on corrosion fatigue crack growth behavior of duplex stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 344, 190-200.	2.6	40