

An-Ya Lo

List of Publications by Year in descending order

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48
papers

1,485
citations

361413

20
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

2456
citing authors

#	ARTICLE	IF	CITATIONS
1	Honeycomb-like Porous Carbonâ€Cobalt Oxide Nanocomposite for High-Performance Enzymeless Glucose Sensor and Supercapacitor Applications. ACS Applied Materials & Interfaces, 2015, 7, 15812-15820.	8.0	216
2	A solid-state NMR, FT-IR and TPD study on acid properties of sulfated and metal-promoted zirconia: Influence of promoter and sulfation treatment. Catalysis Today, 2006, 116, 111-120.	4.4	177
3	Fabrication and Characterization of Well-Dispersed and Highly Stable PtRu Nanoparticles on Carbon Mesoporous Material for Applications in Direct Methanol Fuel Cell. Chemistry of Materials, 2008, 20, 1622-1628.	6.7	136
4	Controlled synthesis of highly dispersed platinum nanoparticles in ordered mesoporous carbons. Chemical Communications, 2006, , 3435.	4.1	99
5	Structural evolution and electrocatalytic application of nitrogen-doped carbon shells synthesized by pyrolysis of near-monodisperse polyaniline nanospheres. Journal of Materials Chemistry, 2009, 19, 5985.	6.7	96
6	The role of nitrogen in carbon nanotube formation. Diamond and Related Materials, 2003, 12, 1851-1857.	3.9	90
7	Exploitation of de-oiled jatropha waste for gold nanoparticles synthesis: A green approach. Arabian Journal of Chemistry, 2018, 11, 247-255.	4.9	58
8	Feasibility studies of magnetic particle-embedded carbon nanotubes for perpendicular recording media. Diamond and Related Materials, 2003, 12, 799-805.	3.9	47
9	Syntheses of carbon porous materials with varied pore sizes and their performances as catalyst supports during methanol oxidation reaction. Applied Energy, 2012, 100, 66-74.	10.1	37
10	Study on RuO ₂ /CMK-3/CNTs composites for high power and high energy density supercapacitor. Applied Energy, 2015, 153, 15-21.	10.1	37
11	An in situ fabrication process for highly electrical conductive polyimide/MWCNT composite films using 2,6-diaminoanthraquinone. Composites Science and Technology, 2013, 87, 174-181.	7.8	31
12	Advanced superhydrophobic electroactive fluorinated polyimide and its application in anticorrosion coating. International Journal of Green Energy, 2017, 14, 113-120.	3.8	30
13	Gold nanoparticles supported on periodic mesoporous organosilicas for epoxidation of olefins: Effects of pore architecture and surface modification method of the supports. Microporous and Mesoporous Materials, 2011, 143, 426-434.	4.4	28
14	Origin of High Selectivity of Dimethyl Ether Carbonylation in the 8-Membered Ring Channel of Mordenite Zeolite. Journal of Physical Chemistry C, 2019, 123, 15503-15512.	3.1	28
15	Ordered mesoporous photocatalysts for CO ₂ photoreduction. Journal of Materials Chemistry A, 2021, 9, 26430-26453.	10.3	27
16	Synthesis of Strong Light Scattering Absorber of TiO ₂ â€CMK-3/Ag for Photocatalytic Water Splitting under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2015, 7, 8412-8418.	8.0	25
17	Fe ₂ O ₃ /SBA-15 catalyst synthesized by chemical vapor infiltration for Friedelâ€Crafts alkylation reaction. Microporous and Mesoporous Materials, 2009, 123, 306-313.	4.4	24
18	Synthesis of electroactive polyazomethine and its application in electrochromic property and electrochemical sensor. Surface and Coatings Technology, 2016, 303, 154-161.	4.8	22

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19	Improving the Supercapacitor Performance by Dispersing SiO ₂ Microspheres in Electrodes. ACS Omega, 2020, 5, 11522-11528.	3.5	22
20	Effect of Composition Ratios on the Performance of Graphene/Carbon Nanotube/Manganese Oxide Composites toward Supercapacitor Applications. ACS Omega, 2020, 5, 578-587.	3.5	21
21	A High Efficiency Surface Modification Process for Multiwalled Carbon Nanotubes by Electron Cyclotron Resonance Plasma. Journal of Physical Chemistry C, 2008, 112, 18431-18436.	3.1	19
22	Spatially controllable plasmon enhanced water splitting photocurrent in Au/TiO ₂ @Fe ₂ O ₃ cocatalyst system. RSC Advances, 2014, 4, 45710-45714.	3.6	18
23	Review and prospects of microporous zeolite catalysts for CO ₂ photoreduction. Applied Materials Today, 2021, 23, 101042.	4.3	17
24	Acidity and Catalytic Behaviors of Ordered Mesoporous Aluminosilicate Materials Containing Zeolite Building Units. Catalysis Letters, 2006, 108, 173-178.	2.6	16
25	Fabrication of CNTs with controlled diameters and their applications as electrocatalyst supports for DMFC. Diamond and Related Materials, 2011, 20, 343-350.	3.9	16
26	Low Humidifying Proton Exchange Membrane Fuel Cells with Enhanced Power and Pt@h-SiO ₂ Anodes Prepared by Electrophoretic Deposition. ACS Sustainable Chemistry and Engineering, 2016, 4, 1303-1310.	6.7	15
27	Template-assisted synthesis of mesoporous tubular carbon nanostructure by chemical vapor infiltration method. Thin Solid Films, 2006, 498, 193-197.	1.8	13
28	Electroactive polyurea/CNT composite-based electrode for detection of vitamin C. EXPRESS Polymer Letters, 2016, 10, 450-461.	2.1	13
29	Adsorption of lysozyme on spherical mesoporous carbons (SMCs) replicated from colloidal silica arrays by chemical vapor deposition. Journal of Colloid and Interface Science, 2009, 339, 439-445.	9.4	12
30	Origin of Zeolite Confinement Revisited by Energy Decomposition Analysis. Journal of Physical Chemistry C, 2016, 120, 27349-27363.	3.1	12
31	Hydrothermal Synthesis of CuO/RuO ₂ /MWCNT Nanocomposites with Morphological Variants for High Efficient Supercapacitors. Catalysts, 2022, 12, 23.	3.5	10
32	Significant improvement in the thermoelectric properties of zwitterionic polysquaraine composite films. Materials Chemistry and Physics, 2013, 141, 920-928.	4.0	9
33	Effect of Temperature Gradient Direction in the Catalyst Nanoparticle on CNTs Growth Mode. Nanoscale Research Letters, 2010, 5, 1393-1402.	5.7	8
34	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.	5.2	8
35	Electroactive polyamide modified carbon paste electrode for the determination of ascorbic acid. International Journal of Green Energy, 2016, 13, 1334-1341.	3.8	7
36	Roles of organic acids during electrooxidation reaction over Pt-supported carbon electrodes in direct methanol fuel cells. International Journal of Hydrogen Energy, 2013, 38, 12984-12990.	7.1	6

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37	Theoretical study of olefin protonation reactions confined inside mordenite zeolite by energy decomposition analysis. <i>Molecular Catalysis</i> , 2017, 437, 47-56.	2.0	6
38	Hollow TiO ₂ Microsphere/Graphene Composite Photocatalyst for CO ₂ Photoreduction. <i>Catalysts</i> , 2021, 11, 1532.	3.5	6
39	Nano- and Biomaterials for Sustainable Development. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-2.	2.7	5
40	Electrophoretic Deposited Pt/C/SiO ₂ Anode for Self-Humidifying and Improved Catalytic Activity in PEMFC. <i>Electrochimica Acta</i> , 2015, 180, 610-615.	5.2	5
41	Pt@RuO ₄ /SnO ₂ /CMK-3 composite electrocatalysts for the methanol oxidation reaction. <i>Comptes Rendus Chimie</i> , 2020, 23, 343-356.	0.5	4
42	Hollowed carbon capsule based Pt@Fe/carbon electrocatalysts prepared by chemical vapor infiltration method. <i>Diamond and Related Materials</i> , 2008, 17, 1541-1544.	3.9	3
43	Process and properties of the carbon nanotube assisted LiCoO ₂ thin-film battery electrode by pulsed laser deposition. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 3067.	1.3	3
44	p-Type highly conductive and transparent NdF ₃ -doped tin oxide films prepared by dip coating. <i>Thin Solid Films</i> , 2016, 618, 159-164.	1.8	2
45	Optically stimulated luminescence radiation response of Au/Al ₂ O ₃ phosphors. <i>Radiation Physics and Chemistry</i> , 2017, 140, 61-67.	2.8	1
46	Fabrication of highly dispersed Pt nanoparticles in tubular carbon mesoporous materials for hydrogen energy applications. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 853-856.	1.5	0
47	Synthesis of uniform carbon nanotubes by chemical vapor infiltration method using SBA-15 mesoporous silica as template. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 409-412.	1.5	0
48	Synthesis of a Homogeneous Propyl Sulfobetaine-Tungstophosphoric Acid Catalyst with Tunable Acidic Strength and Its Application to Waste Wood Hydrolysis. <i>Catalysis Letters</i> , 2018, 148, 3269-3279.	2.6	0