

Cheng-Chien Wang

List of Publications by Year in descending order

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51
papers

1,495
citations

304743

22
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

1805
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalizing Carbon Nanotubes by Plasma Modification for the Preparation of Covalent-Integrated Epoxy Composites. <i>Chemistry of Materials</i> , 2007, 19, 308-315.	6.7	253
2	Study on Metal Ion Adsorption of Bifunctional Chelating/Ion-Exchange Resins. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 882-890.	2.2	122
3	Synthesis of chelating resins with iminodiacetic acid and its wastewater treatment application. <i>Journal of Applied Polymer Science</i> , 2002, 84, 1353-1362.	2.6	94
4	The disorderly exfoliated LDHs/PMMA nanocomposite synthesized by in situ bulk polymerization. <i>Polymer</i> , 2005, 46, 5065-5074.	3.8	89
5	The disorderly exfoliated LDHs/PMMA nanocomposites synthesized by in situ bulk polymerization: The effects of LDH-U on thermal and mechanical properties. <i>Polymer Degradation and Stability</i> , 2006, 91, 2443-2450.	5.8	63
6	Bipolar membrane prepared by grafting and plasma polymerization. <i>Journal of Membrane Science</i> , 2003, 219, 1-13.	8.2	56
7	Quasi-solid DSSC based on a gel-state electrolyte of PAN with 2-D graphenes incorporated. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5479.	10.3	50
8	Synthesis and characterization of a new network polymer electrolyte containing polyether in the main chains and side chains. <i>European Polymer Journal</i> , 2008, 44, 2376-2384.	5.4	48
9	Dye-sensitized TiO ₂ solar cells based on nanocomposite photoanode containing plasma-modified multi-walled carbon nanotubes. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 47-57.	8.1	46
10	Electrochemical immunosensor utilizing electrodeposited Au nanocrystals and dielectrophoretically trapped PS/Ag/ab-HSA nanoprobe for detection of microalbuminuria at point of care. <i>Biosensors and Bioelectronics</i> , 2019, 126, 572-580.	10.1	41
11	Modification of multi-walled carbon nanotubes by plasma treatment and further use as templates for growth of CdS nanocrystals. <i>Nanotechnology</i> , 2006, 17, 5602-5612.	2.6	38
12	Influences of a bipolar membrane and an ultrasonic field on alkaline water electrolysis. <i>Journal of Membrane Science</i> , 2012, 389, 197-204.	8.2	36
13	Preparation and Characterization of Layered Double Hydroxides " PMMA Nanocomposites by Solution Polymerization. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005, 15, 239-251.	3.7	34
14	Thermal behaviors of polyimide with plasma-modified carbon nanotubes. <i>Polymer Degradation and Stability</i> , 2008, 93, 745-752.	5.8	34
15	Polypropylene Fibers Modified by Plasma Treatment for Preparation of Ag Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4020-4029.	2.6	30
16	Synthesis of luminescent and rodlike CdS nanocrystals dispersed in polymer templates. <i>Nanotechnology</i> , 2005, 16, 58-64.	2.6	27
17	Preparation and characterization of a novel bipolar membrane by plasma-induced polymerization. <i>Journal of Membrane Science</i> , 2008, 318, 429-434.	8.2	27
18	The environment of lithium ions and conductivity of comb-like polymer electrolyte with a chelating functional group. <i>Polymer</i> , 2003, 44, 2983-2991.	3.8	25

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19	Adsorption characteristics of metal complexes by chelated copolymers with amino group. <i>Reactive and Functional Polymers</i> , 2006, 66, 343-356.	4.1	25
20	The conductivity and characterization of the plasticized polymer electrolyte based on the P(AN-co-GMA-IDA) copolymer with chelating group. <i>Journal of Power Sources</i> , 2005, 148, 55-65.	7.8	24
21	A new approach to hybrid CdS nanoparticles in poly(BA-co-GMA-co-GMA-IDA) copolymer membranes. <i>Journal of Membrane Science</i> , 2005, 247, 201-209.	8.2	23
22	Synthesis and characterization of chelating resins with amino moieties and application on removal of copper(II) from EDTA complexes. <i>Journal of Applied Polymer Science</i> , 2005, 97, 2457-2468.	2.6	22
23	The Improvement of Electrical Property of Multiwalled Carbon Nanotubes with Plasma Modification and Chemical Oxidation in the Polymer Matrix. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009, 19, 234-242.	3.7	22
24	Facilitated transport of molecular oxygen in cobalt-chelated copolymer membranes prepared by soap-free emulsion polymerization. <i>Journal of Membrane Science</i> , 2002, 208, 133-145.	8.2	21
25	Surface Modification of Polyacrylonitrile Fibers and their Application in the Preparation of Silver Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005, 15, 309-317.	3.7	18
26	Synthesis of yttrium iron garnet using polymer-metal chelate precursor. <i>Journal of Colloid and Interface Science</i> , 2007, 306, 241-247.	9.4	18
27	Preparation and characterization of luminescent CdS nanoparticles immobilized on poly(St-co-GMA-IDA) polymer microspheres. <i>Nanotechnology</i> , 2005, 16, 376-385.	2.6	15
28	Water electrolysis for H ₂ production using a novel bipolar membrane in low salt concentration. <i>Journal of Membrane Science</i> , 2009, 330, 334-340.	8.2	15
29	Effect of chelating functional polymer on the size of CdS nanocluster formation. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 421-429.	9.4	14
30	Preparation of a highly luminescent nanocomposite by chelating copolymer. <i>Polymers for Advanced Technologies</i> , 2006, 17, 598-603.	3.2	13
31	Preparing chelated copolymer membrane for fabrication of Ag dendrites. <i>Journal of Colloid and Interface Science</i> , 2010, 348, 49-56.	9.4	12
32	Mechanical properties of ethylene-vinyl acetate/polystyrene blends studied by in situ polymerization. <i>Journal of Applied Polymer Science</i> , 2003, 88, 699-705.	2.6	11
33	Kinetic study on peroxidation of benzaldehyde by polymer-immobilized cobalt-EDTA complex. <i>Journal of Applied Polymer Science</i> , 2001, 82, 3248-3257.	2.6	10
34	Modification of Polypropylene Fibers by Plasma and Preparation of Hybrid Luminescent and Rodlike CdS Nanocrystals/Polypropylene Fibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3897-3903.	0.9	10
35	Enhanced conductivity of plasticized polymer electrolytes containing chelating groups. <i>Journal of Power Sources</i> , 2009, 188, 261-267.	7.8	10
36	The study on the conductivity and morphology of polyurethaneurea electrolytes based on poly(ethylene glycol) 2000 and LiClO ₄ . <i>Electrochimica Acta</i> , 2003, 48, 3699-3708.	5.2	9

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37	Dimerizations of acrylate monomers with sodium hydroxymethanesulfinate and characterization of the products. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 1493-1502.	2.2	8
38	Conductivity and characterization of polyurea electrolytes with carboxylic acid. <i>Journal of Polymer Science Part A</i> , 2003, 41, 4007-4016.	2.3	8
39	Peroxidation of benzaldehyde catalyzed by cobalt(II)-chelated copolymer. <i>Polymers for Advanced Technologies</i> , 2003, 14, 349-354.	3.2	8
40	The effect of the length of the oxyethylene chain on the conductivity of the polyurethaneurea electrolyte. <i>Electrochimica Acta</i> , 2004, 49, 4907-4913.	5.2	8
41	The influence of Ni nanoparticles and Ni (II) on the growth of Ag dendrites immobilized on the chelating copolymer membrane. <i>Materials Chemistry and Physics</i> , 2012, 137, 76-84.	4.0	8
42	Carbon nanotubes functionalized with maleic anhydride chelated silver nanoparticles as conductive additives for polyanion-based lithium-ion batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 238-239, 42-49.	3.5	8
43	Preparation and properties of APPSSQ-like/polyimide hybrid composites. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2865-2874.	2.6	7
44	Preparation of High Photoluminescent Hybrid Polymer-CdS Nanoparticle with Chelating Functional Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2006, 16, 31-41.	3.7	7
45	Synthesis and magnetic behavior of silica-coated cobalt ferrite hollow spheres. <i>Journal of Applied Physics</i> , 2006, 99, 08N707.	2.5	7
46	Ethylene vinyl acetate copolymer/Mg-Al layered double hydroxide nanocomposite membranes applied in CO_2/N_2 gas separation. <i>Polymer Composites</i> , 2021, 42, 4065-4072.	4.6	7
47	Detection of lead ion binding on bifunctional chelating/ion-exchange resins by cross-polarization/magic-angle spinning solid-state nuclear magnetic resonance. <i>Journal of Applied Polymer Science</i> , 2002, 85, 919-928.	2.6	5
48	The conductivity and characterization of the plasticized polymer electrolyte based on the P(AN-co-GMA-IDA) copolymer with chelating group (II): The effect of free ion in the plasticized polymer electrolyte. <i>Electrochimica Acta</i> , 2006, 52, 527-537.	5.2	4
49	The mechanism of cumene peroxidation catalyzed by cobalt(II)-chelated copolymer. <i>Polymers for Advanced Technologies</i> , 2006, 17, 579-586.	3.2	3
50	Study on the Zn(II)-Doped CdS Luminescent Nanoparticles Formation on the Chelating Polymer Microsphere. <i>Macromolecular Symposia</i> , 2008, 270, 135-142.	0.7	1
51	The effect of chelating copolymer additive on the yttrium iron garnet (YIG) nanoparticle formation. <i>Polymers for Advanced Technologies</i> , 2009, 20, 545-549.	3.2	1