Chien-Te Hsieh

List of Publications by Citations

189 papers	6,715 citations	44 h-index	72 g-index
194 ext. papers	7,452 ext. citations	5.8 avg, IF	6.24 L-index

#	Paper	IF	Citations
189	Field emission from various CuO nanostructures. *Applied Physics Letters*, **2003**, 83, 3383-3385	3.4	292
188	Graphite Oxide with Different Oxygenated Levels for Hydrogen and Oxygen Production from Water under Illumination: The Band Positions of Graphite Oxide. *Journal of Physical Chemistry C*, **2011**, 115, 22587-22597	3.8	232
187	Influence of surface roughness on water- and oil-repellent surfaces coated with nanoparticles. *Applied Surface Science*, **2005**, 240, 318-326	6.7	222
186	Graphene nanosheets, carbon nanotubes, graphite, and activated carbon as anode materials for sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 10320-10326	13	180
185	Fabrication of bimetallic PtM (M=Fe, Co, and Ni) nanoparticle/carbon nanotube electrocatalysts for direct methanol fuel cells. *Journal of Power Sources*, **2009**, 188, 347-352	8.9	163
184	Synthesis of well-ordered CuO nanofibers by a self-catalytic growth mechanism. *Applied Physics Letters*, **2003**, 82, 3316-3318	3.4	160
183	Antiviral Activity of Graphene-Silver Nanocomposites against Non-Enveloped and Enveloped Viruses. *International Journal of Environmental Research and Public Health*, **2016**, 13, 430	4.6	144
182	One- and two-dimensional carbon nanomaterials as counter electrodes for dye-sensitized solar cells. *Carbon*, **2011**, 49, 3092-3097	10.4	130
181	Fabrication and superhydrophobicity of fluorinated carbon fabrics with micro/nanoscaled two-tier roughness. *Carbon*, **2008**, 46, 1218-1224	10.4	130
180	The Antimicrobial Properties of Silver Nanoparticles in Bacillus subtilis Are Mediated by Released Ag+ Ions. *PLoS ONE*, **2015**, 10, e0144306	3.7	124
179	Gel Electrolyte Derived from Poly(ethylene glycol) Blending Poly(acrylonitrile) Applicable to Roll-to-Roll Assembly of Electric Double Layer Capacitors. *Advanced Functional Materials*, **2012**, 22, 4677-4685	15.6	124
178	Adsorption and visible-light-derived photocatalytic kinetics of organic dye on Co-doped titania nanotubes prepared by hydrothermal synthesis. *Separation and Purification Technology*, **2009**, 67, 312-318	8.3	114
177	Mesoporous carbon spheres grafted with carbon nanofibers for high-rate electric double layer capacitors. *Carbon*, **2011**, 49, 895-903	10.4	113
176	Electrochemical Capacitors Based on Graphene Oxide Sheets Using Different Aqueous Electrolytes. *Journal of Physical Chemistry C*, **2011**, 115, 12367-12374	3.8	107
175	Superhydrophobicity and superoleophobicity from hierarchical silica sphere stacking layers. *Materials Chemistry and Physics*, **2010**, 121, 14-21	4.4	105
174	Superhydrophobicity from composite nano/microstructures: Carbon fabrics coated with silica nanoparticles. *Surface and Coatings Technology*, **2008**, 202, 6103-6108	4.4	98
173	High reversibility of Li intercalation and de-intercalation in MnO-attached graphene anodes for Li-ion batteries. *Electrochimica Acta*, **2011**, 56, 8861-8867	6.7	96

172	Synthesis, characterization, and electrochemical capacitance of amino-functionalized carbon nanotube/carbon paper electrodes. *Carbon*, **2010**, 48, 4219-4229	10.4	84
171	High dispersion of 1-nm SnO2 particles between graphene nanosheets constructed using supercritical CO2 fluid for sodium-ion battery anodes. *Nano Energy*, **2016**, 28, 124-134	17.1	83
170	Synthesis of ZnO@Graphene composites as anode materials for lithium ion batteries. *Electrochimica Acta*, **2013**, 111, 359-365	6.7	82
169	Super water- and oil-repellencies from silica-based nanocoatings. *Surface and Coatings Technology*, **2009**, 203, 3377-3384	4.4	81
168	Parameter setting on growth of carbon nanotubes over transition metal/alumina catalysts in a fluidized bed reactor. *Powder Technology*, **2009**, 192, 16-22	5.2	72
167	Improvement of water and oil repellency on wood substrates by using fluorinated silica nanocoating. *Applied Surface Science*, **2011**, 257, 7997-8002	6.7	70
166	Electric double layer capacitors based on a composite electrode of activated mesophase pitch and carbon nanotubes. *Journal of Materials Chemistry*, **2012**, 22, 7314		69
165	Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. *Materials*, **2019**, 12,	3.5	67
164	ZnO Nanoparticles Affect Bacillus subtilis Cell Growth and Biofilm Formation. *PLoS ONE*, **2015**, 10, e0128457	3.7	67
163	Improved storage capacity and rate capability of Fe3O4/graphene anodes for lithium-ion batteries. *Electrochimica Acta*, **2011**, 58, 119-124	6.7	65
162	Influence of oxidation level on capacitance of electrochemical capacitors fabricated with carbon nanotube/carbon paper composites. *Electrochimica Acta*, **2010**, 55, 5294-5300	6.7	65
161	Atomic layer deposition of Pt nanocatalysts on graphene oxide nanosheets for electro-oxidation of formic acid. *International Journal of Hydrogen Energy*, **2012**, 37, 17837-17843	6.7	59
160	Synthesis of carbon nanotubes over Ni- and Co-supported CaCO3 catalysts using catalytic chemical vapor deposition. *Materials Chemistry and Physics*, **2009**, 114, 702-708	4.4	57
159	Silver nanorods attached to graphene sheets as anode materials for lithium-ion batteries. *Carbon*, **2013**, 62, 109-116	10.4	56
158	Pulse Microwave Deposition of Cobalt Oxide Nanoparticles on Graphene Nanosheets as Anode Materials for Lithium Ion Batteries. *Journal of Physical Chemistry C*, **2012**, 116, 15251-15258	3.8	56
157	Microwave-assisted polyol synthesis of Pt□n electrocatalysts on carbon nanotube electrodes for methanol oxidation. *International Journal of Hydrogen Energy*, **2011**, 36, 2765-2772	6.7	56
156	Pulse electrodeposited Pd nanoclusters on graphene-based electrodes for proton exchange membrane fuel cells. *Electrochimica Acta*, **2012**, 64, 205-210	6.7	55
155	Immobilization of Anions on Polymer Matrices for Gel Electrolytes with High Conductivity and Stability in Lithium Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 14776-87	9.5	54

154	Water/oil repellency and work of adhesion of liquid droplets on graphene oxide and graphene surfaces. *Surface and Coatings Technology*, **2011**, 205, 4554-4561	4.4	53
153	Microwave-assisted synthesis of titania coating onto polymeric separators for improved lithium-ion battery performance. *Journal of Power Sources*, **2015**, 286, 526-533	8.9	51
152	Fabrication and electrochemical activity of Ni-attached carbon nanotube electrodes for hydrogen storage in alkali electrolyte. *International Journal of Hydrogen Energy*, **2007**, 32, 3457-3464	6.7	50
151	Thermal conductivity from hierarchical heat sinks using carbon nanotubes and graphene nanosheets. *Nanoscale*, **2015**, 7, 18663-70	7.7	49
150	Electrochemical activity and stability of Pt catalysts on carbon nanotube/carbon paper composite electrodes. *International Journal of Hydrogen Energy*, **2010**, 35, 8425-8432	6.7	49
149	Enhanced adsorption and photodegradation of phenol in aqueous suspensions of titania/graphene oxide composite catalysts. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 67, 338-345	5.3	49
148	Microwave growth and tunable photoluminescence of nitrogen-doped graphene and carbon nitride quantum dots. *Journal of Materials Chemistry C*, **2019**, 7, 5468-5476	7.1	47
147	Contact Angle Hysteresis and Work of Adhesion of Oil Droplets on Nanosphere Stacking Layers. *Journal of Physical Chemistry C*, **2009**, 113, 13683-13688	3.8	45
146	Synthesis of silver nanoparticles on carbon papers for electrochemical catalysts. *Journal of Power Sources*, **2011**, 196, 6055-6061	8.9	45
145	Sulfur and Nitrogen Co-Doped Graphene Quantum Dots as a Fluorescent Quenching Probe for Highly Sensitive Detection toward Mercury Ions. *ACS Applied Nano Materials*, **2019**, 2, 790-798	5.6	44
144	Electrochemical deposition and superhydrophobic behavior of ZnO nanorod arrays. *Thin Solid Films*, **2010**, 518, 4884-4889	2.2	43
143	Electrochemical Capacitors Fabricated with Tin Oxide/Graphene Oxide Nanocomposites. *Journal of Physical Chemistry C*, **2014**, 118, 15146-15153	3.8	42
142	Co-precipitation of magnetic Fe3O4 nanoparticles onto carbon nanotubes for removal of copper ions from aqueous solution. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 82, 56-63	5.3	42
141	Hierarchical oil□water separation membrane using carbon fabrics decorated with carbon nanotubes. *Surface and Coatings Technology*, **2016**, 286, 148-154	4.4	41
140	Atomic Layer Deposition of Platinum Nanocatalysts onto Three-Dimensional Carbon Nanotube/Graphene Hybrid. *Journal of Physical Chemistry C*, **2012**, 116, 26735-26743	3.8	41
139	Synthesis and electrochemical characterization of carbon nanotubes decorated with nickel nanoparticles for use as an electrochemical capacitor. *Journal of Solid State Electrochemistry*, **2008**, 12, 663-669	2.6	41
138	Fabrication of platinum electrocatalysts on carbon nanotubes using atomic layer deposition for proton exchange membrane fuel cells. *Electrochimica Acta*, **2012**, 75, 101-107	6.7	39
137	Chemical-wet Synthesis and Electrochemistry of LiNi1/3Co1/3Mn1/3O2 Cathode Materials for Li-ion Batteries. *Electrochimica Acta*, **2013**, 106, 525-533	6.7	39

136	Water/oil repellency and drop sliding behavior on carbon nanotubes/carbon paper composite surfaces. *Carbon*, **2010**, 48, 612-619	10.4	39
135	Enhancement of water-repellent performance on functional coating by using the Taguchi method. *Surface and Coatings Technology*, **2006**, 200, 5253-5258	4.4	39
134	Graphene-supported Pt and PtPd nanorods with enhanced electrocatalytic performance for the oxygen reduction reaction. *Chemical Communications*, **2014**, 50, 11165-8	5.8	38
133	Synthesis of magnetic iron oxide nanoparticles onto fluorinated carbon fabrics for contaminant removal and oil-water separation. *Separation and Purification Technology*, **2017**, 174, 312-319	8.3	37
132	A modified Wenzel model for hydrophobic behavior of nanostructured surfaces. *Thin Solid Films*, **2007**, 515, 4666-4669	2.2	36
131	Dye-sensitized solar cells equipped with graphene-based counter electrodes with different oxidation levels. *Diamond and Related Materials*, **2012**, 27-28, 68-75	3.5	35
130	Hydrothermal synthesis and visible light photocatalysis of metal-doped titania nanoparticles. *Journal of Vacuum Science & Technology B*, **2007**, 25, 430		35
129	Tailoring fluorescence emissions, quantum yields, and white light emitting from nitrogen-doped graphene and carbon nitride quantum dots. *Nanoscale*, **2019**, 11, 16553-16561	7.7	34
128	Deposition and activity stability of Pt□o catalysts on carbon nanotube-based electrodes prepared by microwave-assisted synthesis. *Journal of Power Sources*, **2012**, 199, 94-102	8.9	34
127	Infrared-assisted Synthesis of Lithium Nickel Cobalt Alumina Oxide Powders as Electrode Material for Lithium-ion Batteries. *Electrochimica Acta*, **2016**, 206, 207-216	6.7	34
126	Review□n Atomic Layer Deposition: Current Progress and Future Challenges. *ECS Journal of Solid State Science and Technology*, **2019**, 8, N55-N78	2	33
125	Improvement of rate capability of spinel lithium titanate anodes using microwave-assisted zinc nanocoating. *Journal of Alloys and Compounds*, **2012**, 513, 393-398	5.7	33
124	Influence of fluorine/carbon atomic ratio on superhydrophobic behavior of carbon nanofiber arrays. *Journal of Vacuum Science & Technology B*, **2006**, 24, 113		33
123	Synthesis of mesoporous carbon composite and its electric double-layer formation behavior. *Microporous and Mesoporous Materials*, **2006**, 93, 232-239	5.3	33
122	Electric double layer capacitors of high volumetric energy based on ionic liquids and hierarchical-pore carbon. *Journal of Materials Chemistry A*, **2014**, 2, 14963-14972	13	32
121	Pt□n Nanoparticles Decorated Carbon Nanotubes as Electrocatalysts with Enhanced Catalytic Activity. *Journal of Physical Chemistry C*, **2013**, 117, 15478-15486	3.8	32
120	Fluorescence of functionalized graphene quantum dots prepared from infrared-assisted pyrolysis of citric acid and urea. *Journal of Luminescence*, **2020**, 217, 116774	3.8	32
119	Carbon nanotubes embedded with PtRu nanoparticles as methanol fuel cell electrocatalysts. *Physica E: Low-Dimensional Systems and Nanostructures*, **2009**, 41, 373-378	3	31

118	Fabrication of well-aligned carbon nanofiber array and its gaseous-phase adsorption behavior. *Applied Physics Letters*, **2004**, 84, 1186-1188	3.4	31
117	Water and oil repellency of flexible silica-coated polymeric substrates. *Applied Surface Science*, **2010**, 256, 4867-4872	6.7	30
116	Functionalization of activated carbons with magnetic Iron oxide nanoparticles for removal of copper ions from aqueous solution. *Journal of Molecular Liquids*, **2019**, 277, 499-505	6	30
115	Fabrication of magnetic iron Oxide@Graphene composites for adsorption of copper ions from aqueous solutions. *Materials Chemistry and Physics*, **2018**, 219, 30-39	4.4	29
114	Bimetallic PdRh nanoparticles onto reduced graphene oxide nanosheets as electrocatalysts for methanol oxidation. *Journal of Electroanalytical Chemistry*, **2016**, 761, 28-36	4.1	28
113	Microwave synthesis of titania-coated carbon nanotube composites for electrochemical capacitors. *Journal of Power Sources*, **2014**, 269, 526-533	8.9	27
112	Electrochemical capacitance from carbon nanotubes decorated with titanium dioxide nanoparticles in acid electrolyte. *Journal of Physics and Chemistry of Solids*, **2009**, 70, 916-921	3.9	27
111	Preparation of carbon nanotube-activated carbon hybrid electrodes by electrophoretic deposition for supercapacitor applications. *Diamond and Related Materials*, **2016**, 62, 58-64	3.5	26
110	Fabrication of flower-like platinum clusters onto graphene sheets by pulse electrochemical deposition. *Electrochimica Acta*, **2012**, 64, 177-182	6.7	26
109	Pulse electrodeposition of Pt nanocatalysts on graphene-based electrodes for proton exchange membrane fuel cells. *Catalysis Communications*, **2011**, 16, 220-224	3.2	26
108	Superhydrophobic behavior of fluorinated carbon nanofiber arrays. *Applied Physics Letters*, **2006**, 88, 243120	3.4	26
107	Pulse microwave synthesis of palladium catalysts on graphene electrodes for proton exchange membrane fuel cells. *Electrochimica Acta*, **2013**, 98, 39-47	6.7	25
106	Microwave-assisted synthesis and pulse electrodeposition of palladium nanocatalysts on carbon nanotube-based electrodes. *Electrochimica Acta*, **2011**, 56, 6336-6344	6.7	25
105	Impact of mesoporous pore distribution on adsorption of methylene blue onto titania nanotubes in aqueous solution. *Microporous and Mesoporous Materials*, **2008**, 116, 677-683	5.3	25
104	Adsorption energy distribution model for VOCs onto activated carbons. *Journal of Colloid and Interface Science*, **2002**, 255, 248-53	9.3	25
103	Enabling high rate charge and discharge capability, low internal resistance, and excellent cycleability for Li-ion batteries utilizing graphene additives. *Electrochimica Acta*, **2018**, 273, 200-207	6.7	24
102	Synthesis of spinel lithium titanate anodes incorporated with rutile titania nanocrystallites by spray drying followed by calcination. *Solid State Ionics*, **2011**, 201, 60-67	3.3	24
101	Synthesis of carbon nanotubes on carbon fabric for use as electrochemical capacitor. *Microporous and Mesoporous Materials*, **2009**, 122, 155-159	5.3	24

100	Fabrication and superhydrophobicity of fluorinated titanium dioxide nanocoatings. *Journal of Colloid and Interface Science*, **2009**, 340, 237-42	9.3	24
99	Pulse microwave-assisted synthesis of Pt nanoparticles onto carbon nanotubes as electrocatalysts for proton exchange membrane fuel cells. *Electrochimica Acta*, **2013**, 87, 63-72	6.7	23
98	Fabrication and electrochemical activity of carbon nanotubes decorated with PtRu nanoparticles in acid solution. *Journal of Alloys and Compounds*, **2008**, 466, 233-240	5.7	23
97	Deposition of binary PdRh catalysts on nanostructured carbon supports for non-enzymatic glucose oxidation. *International Journal of Hydrogen Energy*, **2015**, 40, 14857-14865	6.7	22
96	Electrochemical exfoliation of graphene sheets from a natural graphite flask in the presence of sulfate ions at different temperatures. *RSC Advances*, **2016**, 6, 64826-64831	3.7	22
95	Superhydrophobicity of a three-tier roughened texture of microscale carbon fabrics decorated with silica spheres and carbon nanotubes. *Diamond and Related Materials*, **2010**, 19, 26-30	3.5	22
94	Influence of Li addition on charge/discharge behavior of spinel lithium titanate. *Journal of Alloys and Compounds*, **2010**, 506, 231-236	5.7	22
93	Photoluminescence from amino functionalized graphene quantum dots prepared by electrochemical exfoliation method in the presence of ammonium ions. *RSC Advances*, **2017**, 7, 18340-18346	3.7	21
92	Preparation of lithium iron phosphate cathode materials with different carbon contents using glucose additive for Li-ion batteries. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 1501-1508	5.3	21
91	Preparation of PtCo nanocatalysts on carbon nanotube electrodes for direct methanol fuel cells. *Diamond and Related Materials*, **2011**, 20, 1065-1071	3.5	21
90	Electrochemical activity and durability of PtSn alloys on carbon-based electrodes prepared by microwave-assisted synthesis. *International Journal of Hydrogen Energy*, **2011**, 36, 15766-15774	6.7	21
89	Adsorption of Phenol and Basic Dye on Carbon Nanotubes/Carbon Fabric Composites from Aqueous Solution. *Separation Science and Technology*, **2010**, 46, 340-348	2.5	21
88	Elucidation of Separator Effect on Energy Density of Li-Ion Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A3377-A3383	3.9	20
87	Size-controlled platinum nanoparticles prepared by modified-version atomic layer deposition for ethanol oxidation. *Journal of Power Sources*, **2015**, 275, 845-851	8.9	20
86	Thermal transport in stereo carbon framework using graphite nanospheres and graphene nanosheets. *Carbon*, **2016**, 106, 132-141	10.4	19
85	Roll-to-roll atomic layer deposition of titania coating on polymeric separators for lithium ion batteries. *Journal of Power Sources*, **2021**, 482, 228896	8.9	19
84	Deposition of MnO 2 nanoneedles on carbon nanotubes and graphene nanosheets as electrode materials for electrochemical capacitors. *Journal of Alloys and Compounds*, **2016**, 660, 99-107	5.7	18
83	Electrochemical performance of lithium iron phosphate cathodes at various temperatures. *Electrochimica Acta*, **2014**, 115, 96-102	6.7	18

82	Graphene sheets anchored with ZnO nanocrystals as electrode materials for electrochemical capacitors. *Materials Chemistry and Physics*, **2014**, 143, 853-859	4.4	18
81	Low temperature growth of ZnO nanorods on flexible polymeric substrates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 2319-2323	3	18
80	Eco-Efficient Synthesis of Highly Porous CoCO Anodes from Supercritical CO for Li and Na Storage. *ChemSusChem*, **2017**, 10, 2464-2472	8.3	17
79	Electrochemical sensing of mercury ions in electrolyte solutions by nitrogen-doped graphene quantum dot electrodes at ultralow concentrations. *Journal of Molecular Liquids*, **2020**, 302, 112593	6	17
78	Three-dimensional carbon framework anode improves sodiation□desodiation properties in ionic liquid electrolyte. *Nano Energy*, **2018**, 49, 515-522	17.1	17
77	A Flexible Three-in-One Microsensor for Real-Time Monitoring of Internal Temperature, Voltage and Current of Lithium Batteries. *Sensors*, **2015**, 15, 11485-98	3.8	16
76	Synthesis of lithium nickel cobalt manganese oxide cathode materials by infrared induction heating. *Journal of Power Sources*, **2014**, 269, 31-36	8.9	16
75	Microwave synthesis of copper catalysts onto reduced graphene oxide sheets for non-enzymatic glucose oxidation. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 71, 77-83	5.3	15
74	Highly efficient carbon quantum dot suspensions and membranes for sensitive/selective detection and adsorption/recovery of mercury ions from aqueous solutions. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 100, 127-136	5.3	15
73	Polyethylene Glycol/carbon Nanodots as Fluorescent Bioimaging Agents. *Nanomaterials*, **2020**, 10,	5.4	15
72	An ether bridge between cations to extend the applicability of ionic liquids in electric double layer capacitors. *Journal of Materials Chemistry A*, **2016**, 4, 19160-19169	13	15
71	Fabrication and electric capacitive behavior of hetero-junction carbon nanoclusters by using secondary chemical vapor deposition. *Chemical Physics Letters*, **2007**, 444, 149-154	2.5	15
70	High-Performance MEA Prepared by Direct Deposition of Platinum on the Gas Diffusion Layer Using an Atomic Layer Deposition Technique. *Electrochimica Acta*, **2015**, 177, 168-173	6.7	14
69	Antibacterial Property of Composites of Reduced Graphene Oxide with Nano-Silver and Zinc Oxide Nanoparticles Synthesized Using a Microwave-Assisted Approach. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14
68	Microwave deposition of Pt catalysts on carbon nanotubes with different oxidation levels for formic acid oxidation. *International Journal of Hydrogen Energy*, **2013**, 38, 10345-10353	6.7	14
67	Synthesis of iron phosphate powders by chemical precipitation route for high-power lithium iron phosphate cathodes. *Electrochimica Acta*, **2012**, 83, 202-208	6.7	14
66	Microwave-assisted deposition, scalable coating, and wetting behavior of silver nanowire layers. *Surface and Coatings Technology*, **2012**, 207, 11-18	4.4	13
65	Synthesis and visible-light-derived photocatalysis of titania nanosphere stacking layers prepared by chemical vapor deposition. *Journal of Chemical Technology and Biotechnology*, **2010**, 85, 1168-1174	3.5	13

64	Heat transport enhancement of heat sinks using Cu-coated graphene composites. *Materials Chemistry and Physics*, **2017**, 197, 105-112	4.4	12
63	Facile synthesis of graphene sheets for heat sink application. *Solid State Sciences*, **2015**, 43, 22-27	3.4	12
62	Immobilization of TiO2 and TiO2-GO hybrids onto the surface of acrylic acid-grafted polymeric membranes for pollutant removal: Analysis of photocatalytic activity. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104422	6.8	12
61	Optimization of graphene quantum dots by chemical exfoliation from graphite powders and carbon nanotubes. *Materials Chemistry and Physics*, **2018**, 215, 104-111	4.4	12
60	Highly luminescent aggregate-induced emission from polyethylene glycol-coated carbon quantum dot clusters under blue light illumination. *Journal of Materials Chemistry C*, **2020**, 8, 16569-16576	7.1	11
59	Graphene quantum dot-decorated carbon electrodes for energy storage in vanadium redox flow batteries. *Nanoscale*, **2020**, 12, 7834-7842	7.7	11
58	Sliding behavior of oil droplets on nanosphere stacking layers with different surface textures. *Applied Surface Science*, **2010**, 256, 7253-7259	6.7	11
57	Fabrication and Superhydrophobic Behavior of Fluorinated Silica Nanosphere Arrays. *Journal of Adhesion Science and Technology*, **2008**, 22, 265-275	2	11
56	Preparation of MgCo2O4/graphite composites as cathode materials for magnesium-ion batteries. *Journal of Solid State Electrochemistry*, **2019**, 23, 1399-1407	2.6	10
55	Electro-oxidation of methanol and formic acid on platinum nanoparticles with different oxidation levels. *Materials Chemistry and Physics*, **2015**, 149-150, 359-367	4.4	10
54	Fast Synthesis of Binary Pt□n Nanocatalysts onto Graphene Sheets for Promoted Catalytic Activity. *Electrochimica Acta*, **2014**, 149, 278-284	6.7	10
53	Deposition and super liquid repellency of fluorinated ZnO nanoparticles on carbon fabrics. *Surface and Coatings Technology*, **2012**, 206, 4639-4644	4.4	10
52	Decorating sulfur and nitrogen co-doped graphene quantum dots on graphite felt as high-performance electrodes for vanadium redox flow batteries. *Journal of Power Sources*, **2020**, 477, 228709	8.9	10
51	Highly fluorescent green and red emissions from boron-doped graphene quantum dots under blue light illumination. *Carbon*, **2021**, 176, 61-70	10.4	10
50	Supercapacitive Properties of Micropore- and Mesopore-Rich Activated Carbon in Ionic-Liquid Electrolytes with Various Constituent Ions. *ChemSusChem*, **2019**, 12, 449-456	8.3	10
49	Amino-functionalization of graphene nanosheets by electrochemical exfoliation technique. *Diamond and Related Materials*, **2018**, 87, 99-106	3.5	10
48	Methanol electro-oxidation on Pt nanocatalysts prepared by atomic layer deposition. *Journal of Electroanalytical Chemistry*, **2017**, 794, 139-147	4.1	9
47	Non-enzymatic electrochemical detection of hydrogen peroxide on highly amidized graphene quantum dot electrodes. *Applied Surface Science*, **2020**, 528, 146936	6.7	9

46	Improved lithium storage capacity and high rate capability of nitrogen-doped graphite-like electrode materials prepared from thermal pyrolysis of graphene quantum dots. *Electrochimica Acta*, **2020**, 354, 136642	6.7	9
45	Atomic layer oxidation on graphene sheets for tuning their oxidation levels, electrical conductivities, and band gaps. *Nanoscale*, **2018**, 10, 15521-15528	7.7	9
44	Adsorption energy distribution of carbon tetrachloride on carbon nanofiber arrays prepared by template synthesis. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 814-821	3	9
43	Fabrication of Graphene-Based Electrochemical Capacitors. *Japanese Journal of Applied Physics*, **2012**, 51, 01AH06	1.4	9
42	One-step electrophoretic fabrication of a graphene and carbon nanotube-based scaffold for manganese-based pseudocapacitors. *RSC Advances*, **2016**, 6, 87961-87968	3.7	9
41	Facile electrochemical preparation of hierarchical porous structures to enhance manganese oxide charge-storage properties in ionic liquid electrolytes. *Journal of Materials Chemistry A*, **2016**, 4, 4015-4018	13	8
40	Influence of growth parameters on texture of ZnO nanorods by using electrochemical deposition at low temperatures. *Solid State Ionics*, **2012**, 209-210, 43-50	3.3	8
39	Linear control of the oxidation level on graphene oxide sheets using the cyclic atomic layer reduction technique. *Nanoscale*, **2019**, 11, 7833-7838	7.7	7
38	Three-dimensional carbon composites as electrode materials for symmetric Li-ion capacitors in organic electrolyte. *Materials Chemistry and Physics*, **2015**, 164, 230-237	4.4	7
37	Mixed ionic liquid/organic carbonate electrolytes for LiNi0.8Co0.15Al0.05O2 electrodes at various temperatures. *RSC Advances*, **2015**, 5, 106824-106831	3.7	7
36	Platinum electrocatalysts attached to carbon nanotubes by atomic layer deposition with different cycle numbers. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 186-191	5.3	7
35	Parameter settings on preparation of composite photocatalysts for enhancement of adsorption/photocatalysis hybrid capability. *Separation and Purification Technology*, **2008**, 61, 258-265	8.3	7
34	Improvement on superhydrophobic behavior of carbon nanofibers via the design of experiment and analysis of variance. *Journal of Vacuum Science & Technology B*, **2006**, 24, 855		7
33	Infrared-assisted synthesis of highly amidized graphene quantum dots as metal-free electrochemical catalysts. *Electrochimica Acta*, **2020**, 360, 137009	6.7	7
32	Fluorescent nitrogen-doped carbon nanodots synthesized through a hydrothermal method with different isomers. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 123, 302-302	5.3	7
31	Tuning oxidation level, electrical conductance and band gap structure on graphene sheets by a cyclic atomic layer reduction technique. *Carbon*, **2018**, 137, 234-241	10.4	7
30	Sound transmission loss from polyvinyl acetate polymer mixed with different porous carbons. *Microporous and Mesoporous Materials*, **2016**, 232, 184-188	5.3	6
29	Synthesis of MgCo2O4-coated Li4Ti5O12 composite anodes using co-precipitation method for lithium-ion batteries. *Journal of Solid State Electrochemistry*, **2019**, 23, 3197-3207	2.6	6

28	Hydrogenation and dehydrogenation of Mg2Co nanoparticles and carbon nanotube composites. *Journal of Power Sources*, **2008**, 183, 92-97	8.9	6
27	Electrocatalytic Oxidation of Glucose on Boron and Nitrogen Codoped Graphene Quantum Dot Electrodes in Alkali Media. *Catalysts*, **2021**, 11, 101	4	6
26	Enhancement on fireproof performance of construction coatings using calcium sulfate whiskers prepared from wastewater. *Chemical Papers*, **2017**, 71, 1343-1350	1.9	5
25	High performance infrared heaters using carbon fiber filaments decorated with alumina layer by microwave-assisted method. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 59, 521-525	5.3	5
24	Liquid repellency from graphite sheets with different oxidation levels. *Thin Solid Films*, **2013**, 529, 80-84	2.2	5
23	Medium-frequency induction sintering of lithium nickel cobalt manganese oxide cathode materials for lithium ion batteries. *Solid State Ionics*, **2015**, 270, 39-46	3.3	5
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