# Chien-Te Hsieh

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 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 | Oxygen reduction reactions from boron-doped graphene quantum dot catalyst electrodes in acidic and alkaline electrolytes. *Journal of the Taiwan Institute of Chemical Engineers*, **2022**, 104196 | 5.3 | 1 |
| 188 | Synthesis and characterization of high-performance ZnO/graphene quantum dot composites for photocatalytic degradation of metronidazole. *Journal of the Taiwan Institute of Chemical Engineers*, **2022**, 131, 104180 | 5.3 | 5 |
| 187 | Hexagonal boron nitride nanosheets as metal-free electrochemical catalysts for oxygen reduction reactions. *Ceramics International*, **2022**, 48, 9506-9517 | 5.1 | 0 |
| 186 | Improvement on high-temperature electrochemical performance of lithium-ion pouch cells by spatial atomic layer deposition. *Electrochimica Acta*, **2022**, 423, 140605 | 6.7 | |
| 185 | Improving high-temperature performance of lithium-rich cathode by roll-to-roll atomic layer deposition of titania nanocoating for lithium-ion batteries. *Journal of Energy Storage*, **2021**, 44, 103348 | 7.8 | 1 |
| 184 | Hierarchical Lignin-Based Carbon Matrix and Carbon Dot Composite Electrodes for High-Performance Supercapacitors. *ACS Omega*, **2021**, 6, 7851-7861 | 3.9 | 5 |
| 183 | Effect of Solvent on Fluorescence Emission from Polyethylene Glycol-Coated Graphene Quantum Dots under Blue Light Illumination. *Nanomaterials*, **2021**, 11, | 5.4 | 4 |
| 182 | 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 |
| 181 | Highly fluorescent green and red emissions from boron-doped graphene quantum dots under blue light illumination. *Carbon*, **2021**, 176, 61-70 | 10.4 | 10 |
| 180 | N-Doped Carbon Quantum Dots as Fluorescent Bioimaging Agents. *Crystals*, **2021**, 11, 789 | 2.3 | 4 |
| 179 | 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 |
| 178 | Facile optical quantification of mercury ion concentration using graphene quantum dot coated filter paper disks. *Materials Chemistry and Physics*, **2021**, 260, 124168 | 4.4 | 2 |
| 177 | Electrocatalytic Oxidation of Glucose on Boron and Nitrogen Codoped Graphene Quantum Dot Electrodes in Alkali Media. *Catalysts*, **2021**, 11, 101 | 4 | 6 |
| 176 | Recent progress and future prospects of atomic layer deposition to prepare/modify solid-state electrolytes and interfaces between electrodes for next-generation lithium batteries. *Nanoscale Advances*, **2021**, 3, 2728-2740 | 5.1 | 5 |
| 175 | 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 |
| 174 | Non-enzymatic electrochemical detection of hydrogen peroxide on highly amidized graphene quantum dot electrodes. *Applied Surface Science*, **2020**, 528, 146936 | 6.7 | 9 |
| 173 | Graphene quantum dot-decorated carbon electrodes for energy storage in vanadium redox flow batteries. *Nanoscale*, **2020**, 12, 7834-7842 | 7.7 | 11 |

| | | | |
|---|---|---|---|
| 172 | 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 |
| 171 | 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 |
| 170 | Polyethylene Glycol/carbon Nanodots as Fluorescent Bioimaging Agents. *Nanomaterials*, **2020**, 10, | 5.4 | 15 |
| 169 | Amino-functionalization on graphene oxide sheets using an atomic layer amidation technique. *Journal of Materials Chemistry C*, **2020**, 8, 700-705 | 7.1 | 5 |
| 168 | Thermal transport on composite thin films using graphene nanodots and polymeric binder. *Thin Solid Films*, **2020**, 693, 137704 | 2.2 | 1 |
| 167 | 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 |
| 166 | Infrared-assisted synthesis of highly amidized graphene quantum dots as metal-free electrochemical catalysts. *Electrochimica Acta*, **2020**, 360, 137009 | 6.7 | 7 |
| 165 | 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 |
| 164 | Roll-To-Roll Atomic Layer Deposition of Titania Nanocoating on Thermally Stabilizing Lithium Nickel Cobalt Manganese Oxide Cathodes for Lithium Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 10619-10631 | 6.1 | 3 |
| 163 | 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 |
| 162 | A Holey Graphene Additive for Boosting Performance of Electric Double-Layer Supercapacitors. *Polymers*, **2020**, 12, | 4.5 | 1 |
| 161 | Enabling high rate capability, low internal resistance, and excellent cyclability for vanadium redox flow batteries utilizing ultrafast laser-structured graphite felt. *Electrochimica Acta*, **2020**, 344, 136171 | 6.7 | 5 |
| 160 | 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 |
| 159 | Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. *Materials*, **2019**, 12, | 3.5 | 67 |
| 158 | Review□n Atomic Layer Deposition: Current Progress and Future Challenges. *ECS Journal of Solid State Science and Technology*, **2019**, 8, N55-N78 | 2 | 33 |
| 157 | Preparation of MgCo2O4/graphite composites as cathode materials for magnesium-ion batteries. *Journal of Solid State Electrochemistry*, **2019**, 23, 1399-1407 | 2.6 | 10 |
| 156 | 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 |
| 155 | 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 |

| | | | |
|---|---|---|---|
| 154 | 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 |
| 153 | Elucidation of Separator Effect on Energy Density of Li-Ion Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A3377-A3383 | 3.9 | 20 |
| 152 | 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 |
| 151 | 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 |
| 150 | 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 |
| 149 | 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 |
| 148 | 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 |
| 147 | Three-dimensional carbon framework anode improves sodiation□desodiation properties in ionic liquid electrolyte. *Nano Energy*, **2018**, 49, 515-522 | 17.1 | 17 |
| 146 | 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 |
| 145 | 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 |
| 144 | Atomic layer oxidation on graphene sheets for tuning their oxidation levels, electrical conductivities, and band gaps. *Nanoscale*, **2018**, 10, 15521-15528 | 7.7 | 9 |
| 143 | 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 |
| 142 | Amino-functionalization of graphene nanosheets by electrochemical exfoliation technique. *Diamond and Related Materials*, **2018**, 87, 99-106 | 3.5 | 10 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | Enhancement on fireproof performance of construction coatings using calcium sulfate whiskers prepared from wastewater. *Chemical Papers*, **2017**, 71, 1343-1350 | 1.9 | 5 |
| 137 | Methanol electro-oxidation on Pt nanocatalysts prepared by atomic layer deposition. *Journal of Electroanalytical Chemistry*, **2017**, 794, 139-147 | 4.1 | 9 |

| | | | |
|---|---|---|---|
| 136 | Heat transport enhancement of heat sinks using Cu-coated graphene composites. *Materials Chemistry and Physics*, **2017**, 197, 105-112 | 4.4 | 12 |
| 135 | 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 |
| 134 | Eco-Efficient Synthesis of Highly Porous CoCO Anodes from Supercritical CO for Li and Na Storage. *ChemSusChem*, **2017**, 10, 2464-2472 | 8.3 | 17 |
| 133 | Decoration of zinc oxide nanoparticles onto carbon fibers as composite filaments for infrared heaters. *Surfaces and Interfaces*, **2017**, 6, 98-102 | 4.1 | 1 |
| 132 | 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 |
| 131 | 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 |
| 130 | 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 |
| 129 | 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 |
| 128 | Enhancing thermal transport efficiency in carbon composites using nanospacers. *RSC Advances*, **2016**, 6, 61351-61356 | 3.7 | 2 |
| 127 | Sound transmission loss from polyvinyl acetate polymer mixed with different porous carbons. *Microporous and Mesoporous Materials*, **2016**, 232, 184-188 | 5.3 | 6 |
| 126 | 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 |
| 125 | Hierarchical oil–water separation membrane using carbon fabrics decorated with carbon nanotubes. *Surface and Coatings Technology*, **2016**, 286, 148-154 | 4.4 | 41 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | Bimetallic PdRh nanoparticles onto reduced graphene oxide nanosheets as electrocatalysts for methanol oxidation. *Journal of Electroanalytical Chemistry*, **2016**, 761, 28-36 | 4.1 | 28 |
| 119 | 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 |

| | | | |
|---|---|---|---|
| 118 | Thermal transport in stereo carbon framework using graphite nanospheres and graphene nanosheets. *Carbon*, **2016**, 106, 132-141 | 10.4 | 19 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | 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 |
| 112 | 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 |
| 111 | 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 |
| 110 | Facile synthesis of graphene sheets for heat sink application. *Solid State Sciences*, **2015**, 43, 22-27 | 3.4 | 12 |
| 109 | Thermal conductivity from hierarchical heat sinks using carbon nanotubes and graphene nanosheets. *Nanoscale*, **2015**, 7, 18663-70 | 7.7 | 49 |
| 108 | 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 |
| 107 | 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 |
| 106 | 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 |
| 105 | The Antimicrobial Properties of Silver Nanoparticles in Bacillus subtilis Are Mediated by Released Ag+ Ions. *PLoS ONE*, **2015**, 10, e0144306 | 3.7 | 124 |
| 104 | Mixed ionic liquid/organic carbonate electrolytes for LiNi0.8Co0.15Al0.05O2 electrodes at various temperatures. *RSC Advances*, **2015**, 5, 106824-106831 | 3.7 | 7 |
| 103 | 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 |
| 102 | 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 |
| 101 | Microwave synthesis of copper network onto lithium iron phosphate cathode materials for improved electrochemical performance. *Materials Chemistry and Physics*, **2015**, 153, 103-109 | 4.4 | 3 |

| | | | |
|---|---|---|---|
| 100 | ZnO Nanoparticles Affect Bacillus subtilis Cell Growth and Biofilm Formation. *PLoS ONE*, **2015**, 10, e0128457 | 3.7 | 67 |
| 99 | Fast Synthesis of Binary PtSn Nanocatalysts onto Graphene Sheets for Promoted Catalytic Activity. *Electrochimica Acta*, **2014**, 149, 278-284 | 6.7 | 10 |
| 98 | Graphene-supported Pt and PtPd nanorods with enhanced electrocatalytic performance for the oxygen reduction reaction. *Chemical Communications*, **2014**, 50, 11165-8 | 5.8 | 38 |
| 97 | 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 |
| 96 | Synthesis of lithium nickel cobalt manganese oxide cathode materials by infrared induction heating. *Journal of Power Sources*, **2014**, 269, 31-36 | 8.9 | 16 |
| 95 | Microwave synthesis of titania-coated carbon nanotube composites for electrochemical capacitors. *Journal of Power Sources*, **2014**, 269, 526-533 | 8.9 | 27 |
| 94 | Electrochemical Capacitors Fabricated with Tin Oxide/Graphene Oxide Nanocomposites. *Journal of Physical Chemistry C*, **2014**, 118, 15146-15153 | 3.8 | 42 |
| 93 | 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 |
| 92 | Electrochemical performance of lithium iron phosphate cathodes at various temperatures. *Electrochimica Acta*, **2014**, 115, 96-102 | 6.7 | 18 |
| 91 | Graphene sheets anchored with ZnO nanocrystals as electrode materials for electrochemical capacitors. *Materials Chemistry and Physics*, **2014**, 143, 853-859 | 4.4 | 18 |
| 90 | 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 |
| 89 | Silver nanorods attached to graphene sheets as anode materials for lithium-ion batteries. *Carbon*, **2013**, 62, 109-116 | 10.4 | 56 |
| 88 | 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 |
| 87 | Synthesis of ZnO@Graphene composites as anode materials for lithium ion batteries. *Electrochimica Acta*, **2013**, 111, 359-365 | 6.7 | 82 |
| 86 | 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 |
| 85 | Pulse microwave synthesis of palladium catalysts on graphene electrodes for proton exchange membrane fuel cells. *Electrochimica Acta*, **2013**, 98, 39-47 | 6.7 | 25 |
| 84 | 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 |
| 83 | Liquid repellency from graphite sheets with different oxidation levels. *Thin Solid Films*, **2013**, 529, 80-84 | 2.2 | 5 |

| | | | |
|---|---|---|---|
| 82 | PtSn Nanoparticles Decorated Carbon Nanotubes as Electrocatalysts with Enhanced Catalytic Activity. *Journal of Physical Chemistry C*, **2013**, 117, 15478-15486 | 3.8 | 32 |
| 81 | Synthesis and Electrochemical Performance of SnO2/Graphene Hybrid Anode for Lithium Ion Batteries. *Materials Research Society Symposia Proceedings*, **2013**, 1540, 4001 | | |
| 80 | Fabrication of flower-like platinum clusters onto graphene sheets by pulse electrochemical deposition. *Electrochimica Acta*, **2012**, 64, 177-182 | 6.7 | 26 |
| 79 | Pulse electrodeposited Pd nanoclusters on graphene-based electrodes for proton exchange membrane fuel cells. *Electrochimica Acta*, **2012**, 64, 205-210 | 6.7 | 55 |
| 78 | 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 |
| 77 | Deposition and activity stability of PtRuO catalysts on carbon nanotube-based electrodes prepared by microwave-assisted synthesis. *Journal of Power Sources*, **2012**, 199, 94-102 | 8.9 | 34 |
| 76 | 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 |
| 75 | Electric double layer capacitors based on a composite electrode of activated mesophase pitch and carbon nanotubes. *Journal of Materials Chemistry*, **2012**, 22, 7314 | | 69 |
| 74 | 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 |
| 73 | Deposition and super liquid repellency of fluorinated ZnO nanoparticles on carbon fabrics. *Surface and Coatings Technology*, **2012**, 206, 4639-4644 | 4.4 | 10 |
| 72 | 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 |
| 71 | Fabrication of Graphene-Based Electrochemical Capacitors. *Japanese Journal of Applied Physics*, **2012**, 51, 01AH06 | 1.4 | 5 |
| 70 | 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 |
| 69 | 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 |
| 68 | Microwave-assisted deposition, scalable coating, and wetting behavior of silver nanowire layers. *Surface and Coatings Technology*, **2012**, 207, 11-18 | 4.4 | 13 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |

| | | | |
|---|---|---|---|
| 64 | Visible-Light Photodegradation of Dye on Co-Doped Titania Nanotubes Prepared by Hydrothermal Synthesis. *International Journal of Photoenergy*, **2012**, 2012, 1-10 | 2.1 | 5 |
| 63 | Dye-Sensitized Solar Cells Using Mesocarbon Microbead-Based Counter Electrodes. *International Journal of Photoenergy*, **2012**, 2012, 1-6 | 2.1 | 3 |
| 62 | Fabrication of Graphene-Based Electrochemical Capacitors. *Japanese Journal of Applied Physics*, **2012**, 51, 01AH06 | 1.4 | 9 |
| 61 | Preparation of PtCo nanocatalysts on carbon nanotube electrodes for direct methanol fuel cells. *Diamond and Related Materials*, **2011**, 20, 1065-1071 | 3.5 | 21 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | Improved storage capacity and rate capability of $Fe_3O_4$/graphene anodes for lithium-ion batteries. *Electrochimica Acta*, **2011**, 58, 119-124 | 6.7 | 65 |
| 56 | 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 |
| 55 | Pulse electrodeposition of Pt nanocatalysts on graphene-based electrodes for proton exchange membrane fuel cells. *Catalysis Communications*, **2011**, 16, 220-224 | 3.2 | 26 |
| 54 | Electrochemical Capacitors Based on Graphene Oxide Sheets Using Different Aqueous Electrolytes. *Journal of Physical Chemistry C*, **2011**, 115, 12367-12374 | 3.8 | 107 |
| 53 | Mesoporous carbon spheres grafted with carbon nanofibers for high-rate electric double layer capacitors. *Carbon*, **2011**, 49, 895-903 | 10.4 | 113 |
| 52 | One- and two-dimensional carbon nanomaterials as counter electrodes for dye-sensitized solar cells. *Carbon*, **2011**, 49, 3092-3097 | 10.4 | 130 |
| 51 | Microwave-assisted synthesis and pulse electrodeposition of palladium nanocatalysts on carbon nanotube-based electrodes. *Electrochimica Acta*, **2011**, 56, 6336-6344 | 6.7 | 25 |
| 50 | Microwave-assisted polyol synthesis of PtZn electrocatalysts on carbon nanotube electrodes for methanol oxidation. *International Journal of Hydrogen Energy*, **2011**, 36, 2765-2772 | 6.7 | 56 |
| 49 | Improvement of water and oil repellency on wood substrates by using fluorinated silica nanocoating. *Applied Surface Science*, **2011**, 257, 7997-8002 | 6.7 | 70 |
| 48 | Synthesis of silver nanoparticles on carbon papers for electrochemical catalysts. *Journal of Power Sources*, **2011**, 196, 6055-6061 | 8.9 | 45 |
| 47 | 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 |

| | | | |
|---|---|---|---|
| 46 | 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 |
| 45 | 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 |
| 44 | Influence of Li addition on charge/discharge behavior of spinel lithium titanate. *Journal of Alloys and Compounds*, **2010**, 506, 231-236 | 5.7 | 22 |
| 43 | Superhydrophobicity and superoleophobicity from hierarchical silica sphere stacking layers. *Materials Chemistry and Physics*, **2010**, 121, 14-21 | 4.4 | 105 |
| 42 | 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 |
| 41 | Water and oil repellency of flexible silica-coated polymeric substrates. *Applied Surface Science*, **2010**, 256, 4867-4872 | 6.7 | 30 |
| 40 | Sliding behavior of oil droplets on nanosphere stacking layers with different surface textures. *Applied Surface Science*, **2010**, 256, 7253-7259 | 6.7 | 11 |
| 39 | Low temperature growth of ZnO nanorods on flexible polymeric substrates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 2319-2323 | 3 | 18 |
| 38 | 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 |
| 37 | 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 |
| 36 | Electrochemical deposition and superhydrophobic behavior of ZnO nanorod arrays. *Thin Solid Films*, **2010**, 518, 4884-4889 | 2.2 | 43 |
| 35 | Water/oil repellency and drop sliding behavior on carbon nanotubes/carbon paper composite surfaces. *Carbon*, **2010**, 48, 612-619 | 10.4 | 39 |
| 34 | Synthesis, characterization, and electrochemical capacitance of amino-functionalized carbon nanotube/carbon paper electrodes. *Carbon*, **2010**, 48, 4219-4229 | 10.4 | 84 |
| 33 | 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 |
| 32 | Super water- and oil-repellencies from silica-based nanocoatings. *Surface and Coatings Technology*, **2009**, 203, 3377-3384 | 4.4 | 81 |
| 31 | Synthesis of carbon nanotubes on carbon fabric for use as electrochemical capacitor. *Microporous and Mesoporous Materials*, **2009**, 122, 155-159 | 5.3 | 24 |
| 30 | Fabrication and superhydrophobicity of fluorinated titanium dioxide nanocoatings. *Journal of Colloid and Interface Science*, **2009**, 340, 237-42 | 9.3 | 24 |
| 29 | Carbon nanotubes embedded with PtRu nanoparticles as methanol fuel cell electrocatalysts. *Physica E: Low-Dimensional Systems and Nanostructures*, **2009**, 41, 373-378 | 3 | 31 |

| | | | |
|---|---|---|---|
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Fabrication and Superhydrophobic Behavior of Fluorinated Silica Nanosphere Arrays. *Journal of Adhesion Science and Technology*, **2008**, 22, 265-275 | 2 | 11 |
| 21 | 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 |
| 20 | Superhydrophobicity from composite nano/microstructures: Carbon fabrics coated with silica nanoparticles. *Surface and Coatings Technology*, **2008**, 202, 6103-6108 | 4.4 | 98 |
| 19 | 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 |
| 18 | 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 |
| 17 | Hydrogenation and dehydrogenation of Mg2Co nanoparticles and carbon nanotube composites. *Journal of Power Sources*, **2008**, 183, 92-97 | 8.9 | 6 |
| 16 | Fabrication and superhydrophobicity of fluorinated carbon fabrics with micro/nanoscaled two-tier roughness. *Carbon*, **2008**, 46, 1218-1224 | 10.4 | 130 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | A modified Wenzel model for hydrophobic behavior of nanostructured surfaces. *Thin Solid Films*, **2007**, 515, 4666-4669 | 2.2 | 36 |
| 11 | Hydrothermal synthesis and visible light photocatalysis of metal-doped titania nanoparticles. *Journal of Vacuum Science & Technology B*, **2007**, 25, 430 | | 35 |

| | | | |
|---|---|---|---|
| 10 | Influence of fluorine/carbon atomic ratio on superhydrophobic behavior of carbon nanofiber arrays. *Journal of Vacuum Science & Technology B*, **2006**, 24, 113 | | 33 |
| 9 | 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 |
| 8 | Superhydrophobic behavior of fluorinated carbon nanofiber arrays. *Applied Physics Letters*, **2006**, 88, 243120 | 3.4 | 26 |
| 7 | Synthesis of mesoporous carbon composite and its electric double-layer formation behavior. *Microporous and Mesoporous Materials*, **2006**, 93, 232-239 | 5.3 | 33 |
| 6 | Enhancement of water-repellent performance on functional coating by using the Taguchi method. *Surface and Coatings Technology*, **2006**, 200, 5253-5258 | 4.4 | 39 |
| 5 | Influence of surface roughness on water- and oil-repellent surfaces coated with nanoparticles. *Applied Surface Science*, **2005**, 240, 318-326 | 6.7 | 222 |
| 4 | Fabrication of well-aligned carbon nanofiber array and its gaseous-phase adsorption behavior. *Applied Physics Letters*, **2004**, 84, 1186-1188 | 3.4 | 31 |
| 3 | Field emission from various CuO nanostructures. *Applied Physics Letters*, **2003**, 83, 3383-3385 | 3.4 | 292 |
| 2 | Synthesis of well-ordered CuO nanofibers by a self-catalytic growth mechanism. *Applied Physics Letters*, **2003**, 82, 3316-3318 | 3.4 | 160 |
| 1 | Adsorption energy distribution model for VOCs onto activated carbons. *Journal of Colloid and Interface Science*, **2002**, 255, 248-53 | 9.3 | 25 |