

# Hak Yong Kim

## List of Publications by Year in descending order

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351  
papers

18,521  
citations

11608

70  
h-index

22764

112  
g-index

352  
all docs

352  
docs citations

352  
times ranked

18610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of lanthanide-doped strontium aluminate nanoparticles encapsulated in polyacrylonitrile nanofibres: photoluminescence properties for anticounterfeiting applications. <i>Luminescence</i> , 2022, 37, 40-50.	1.5	18
2	Engineering the abundant heterointerfaces of integrated bimetallic sulfide-coupled 2D MOF-derived mesoporous CoS <sub>2</sub> nanoarray hybrids for electrocatalytic water splitting. <i>Materials Today Nano</i> , 2022, 17, 100146.	2.3	76
3	Production of photoluminescent transparent poly(methyl methacrylate) for smart windows. <i>Luminescence</i> , 2022, 37, 97-107.	1.5	20
4	A review on nanofiber reinforced aerogels for energy storage and conversion applications. <i>Journal of Energy Storage</i> , 2022, 46, 103927.	3.9	39
5	Fabrication, microstructure characterization, and degradation performance of electrospun mats based on poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/polyethylene glycol blend for potential tissue engineering. <i>Luminescence</i> , 2022, 37, 323-331.	1.5	1
6	Ruthenium nanoparticles integrated bimetallic metal-organic framework electrocatalysts for multifunctional electrode materials and practical water electrolysis in seawater. <i>Nanoscale</i> , 2022, 14, 6557-6569.	2.8	24
7	Highly ordered nanoarrays catalysts embedded in carbon nanotubes as highly efficient and robust air electrode for flexible solid-state rechargeable zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 679-690.	5.0	22
8	Metal-organic framework assisted vanadium oxide nanorods as efficient electrode materials for water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 475-482.	5.0	62
9	Carbon Nanofiber Double Active Layer and Co-Incorporation as New Anode Modification Strategies for Power-Enhanced Microbial Fuel Cells. <i>Polymers</i> , 2022, 14, 1542.	2.0	8
10	Polypyrrole Nanotunnels with Luminal and Abluminal Layered Double Hydroxide Nanosheets Grown on a Carbon Cloth for Energy Storage Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23285-23296.	4.0	28
11	Deriving activated carbon using microwave combustion technique and its energy storage applications: a topical review. <i>Carbon Letters</i> , 2022, 32, 1151-1171.	3.3	14
12	Homogeneous Elongation of N-Doped CNTs over Nano-Fibrillated Hollow Carbon Nanofiber: Mass and Charge Balance in Asymmetric Supercapacitors Is No Longer Problematic. <i>Advanced Science</i> , 2022, 9, e2200650.	5.6	32
13	Three-dimensional carbon nanofiber-based anode for high generated current and power from air-cathode micro-sized MFC. <i>RSC Advances</i> , 2022, 12, 15486-15492.	1.7	1
14	Metal-organic frameworks of rare earth metals embedded side-by-side nanofiber as a switchable luminescent sensor for Fe <sup>3+</sup> and Cu <sup>2+</sup> in aqueous media. <i>Journal of Luminescence</i> , 2022, 249, 119029.	1.5	2
15	Phytic Acid-Enhanced Electrospun PCL-Polypyrrole Nanofibrous Mat: Preparation, Characterization, and Mechanism. <i>Macromolecular Research</i> , 2022, 30, 791-798.	1.0	4
16	Progresses on electrospun metal-organic frameworks nanofibers and their wastewater treatment applications. <i>Materials Today Chemistry</i> , 2022, 25, 100974.	1.7	33
17	Biaxial Stretchability in High-Performance, All-Solid-State Supercapacitor with a Double-Layer Anode and a Faradic Cathode Based on Graphitic 2200 Knitted Carbon Fiber. <i>Advanced Energy Materials</i> , 2021, 11, 2002961.	10.2	38
18	Self-assembled polypyrrole hierarchical porous networks as the cathode and porous three dimensional carbonaceous networks as the anode materials for asymmetric supercapacitor. <i>Journal of Energy Storage</i> , 2021, 33, 102080.	3.9	48

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19	Controlled Selenium Infiltration of Cobalt Phosphide Nanostructure Arrays from a Two-Dimensional Cobalt Metal-Organic Framework: A Self-Supported Electrode for Flexible Quasi-Solid-State Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 404-415.	2.5	53
20	Asymmetric Supercapacitors: Biaxial Stretchability in High-Performance, All-Solid-State Supercapacitor with a Double-Layer Anode and a Faradic Cathode Based on Graphitic 2200 Knitted Carbon Fiber (Adv. Tj ETQq0020 rgBTI/Overlock	2.2	100
21	Highly Oriented Nitrogen-doped Carbon Nanotube Integrated Bimetallic Cobalt Copper Organic Framework for Non-enzymatic Electrochemical Glucose and Hydrogen Peroxide Sensor. <i>Electroanalysis</i> , 2021, 33, 1333-1345.	1.5	36
22	Green Synthesis of Silver Nanoparticles Using Aqueous Rhizome Extract of <i>Corallocarpus Epigaeus</i> for Biomedical Applications. <i>Applied Science and Convergence Technology</i> , 2021, 30, 54-61.	0.3	4
23	Fabrication of electrically highly conductive, mechanically strong, and near-infrared responsive phytic acid crosslinked polypyrrole coated Korean paper. <i>Materials Today Communications</i> , 2021, 26, 102081.	0.9	3
24	Integrating the Essence of a Metal-Organic Framework with Electrospinning: A New Approach for Making a Metal Nanoparticle Confined N-Doped Carbon Nanotubes/Porous Carbon Nanofibrous Membrane for Energy Storage and Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23732-23742.	4.0	43
25	A Review of Electrospun Carbon Nanofiber-Based Negative Electrode Materials for Supercapacitors. <i>Electrochem</i> , 2021, 2, 236-250.	1.7	21
26	Integrated hybrid of graphitic carbon-encapsulated Cu <sub>2</sub> O on multilayered mesoporous carbon from copper MOFs and polyaniline for asymmetric supercapacitor and oxygen reduction reactions. <i>Carbon</i> , 2021, 179, 89-99.	5.4	110
27	Technological trends in heavy metals removal from industrial wastewater: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105688.	3.3	343
28	Templated fabrication of perfectly aligned metal-organic framework-supported iron-doped copper-cobalt selenide nanostructure on hollow carbon nanofibers for an efficient trifunctional electrode material. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120209.	10.8	64
29	A metal-organic framework derived cobalt oxide/nitrogen-doped carbon nanotube nanotentacles on electrospun carbon nanofiber for electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2021, 420, 129679.	6.6	44
30	Temperature-controlled in situ synthesized carbon nanotube-protected vanadium phosphate particle-anchored electrospun carbon nanofibers for high energy density symmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 740-751.	5.0	26
31	Construction of iron doped cobalt- vanadate- cobalt oxide with metal-organic framework oriented nanoflakes for portable rechargeable zinc-air batteries powered total water splitting. <i>Nano Energy</i> , 2021, 88, 106238.	8.2	72
32	Effect of Process Control Parameters on the Filtration Performance of PAN-CTAB Nanofiber/Nanonet Web Combined with Meltblown Nonwoven. <i>Polymers</i> , 2021, 13, 3591.	2.0	7
33	Breakthroughs in the fabrication of electrospun-nanofiber-supported thin film composite/nanocomposite membranes for the forward osmosis process: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1727-1795.	6.6	40
34	Zeolitic imidazolate framework derived Co <sub>3</sub> S <sub>4</sub> hybridized MoS <sub>2</sub> -Ni <sub>3</sub> S <sub>2</sub> heterointerface for electrochemical overall water splitting reactions. <i>Electrochimica Acta</i> , 2020, 334, 135537.	2.6	47
35	Oxalic acid assisted rapid synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanorods as electrode materials with higher energy density and cycle stability for high-performance asymmetric hybrid supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 65-76.	5.0	52
36	Facile one pot sonochemical synthesis of CoFe <sub>2</sub> O <sub>4</sub> /MWCNTs hybrids with well-dispersed MWCNTs for asymmetric hybrid supercapacitor applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3073-3085.	3.8	81

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37	A ZIF-8-derived nanoporous carbon nanocomposite wrapped with Co <sub>3</sub> O <sub>4</sub> -polyaniline as an efficient electrode material for an asymmetric supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113670.	1.9	87
38	Fabrication of Nonmetal-Modulated Dual Metal-Organic Platform for Overall Water Splitting and Rechargeable Zinc-Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41704-41717.	4.0	43
39	Phytic acid controlled <i>in situ</i> synthesis of amorphous cobalt phosphate/carbon composite as anode materials with a high mass loading for symmetrical supercapacitor: amorphization of the electrode to boost the energy density. <i>Nanoscale Advances</i> , 2020, 2, 4918-4929.	2.2	22
40	Hybrid Electrodes Based on Zn-Ni-Co Ternary Oxide Nanowires and Nanosheets for Ultra-High-Rate Asymmetric Supercapacitors. <i>ACS Applied Nano Materials</i> , 2020, 3, 8679-8690.	2.4	51
41	Graphene Oxide Coated Zinc Oxide Core-Shell Nanofibers for Enhanced Photocatalytic Performance and Durability. <i>Coatings</i> , 2020, 10, 1183.	1.2	10
42	Template-Assisted Fabrication of ZnO/Co <sub>3</sub> O <sub>4</sub> One-Dimensional Metal-Organic Framework Array Decorated with Amorphous Iron Oxide/Hydroxide Nanoparticles as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. <i>Energy &amp; Fuels</i> , 2020, 34, 7716-7725.	2.5	27
43	Metal-organic framework-assisted bimetallic Ni@Cu microsphere for enzyme-free electrochemical sensing of glucose. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114356.	1.9	41
44	Copper/terbium dual metal organic frameworks incorporated side-by-side electrospun nanofibrous membrane: A novel tactics for an efficient adsorption of particulate matter and luminescence property. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 155-163.	5.0	46
45	Designed Assembly of Porous Cobalt Oxide/Carbon Nanotentacles on Electrospun Hollow Carbon Nanofibers Network for Supercapacitor. <i>ACS Applied Energy Materials</i> , 2020, 3, 3435-3444.	2.5	65
46	Engineering the Hierarchical Heterostructures of Zn-Ni-Co Nanoneedles Arrays@Co-Ni-LDH Nanosheets Core-Shell Electrodes for a Hybrid Asymmetric Supercapacitor with High Energy Density and Excellent Cyclic Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 7383-7396.	2.5	72
47	Integration of Cobalt Metal-Organic Frameworks into an Interpenetrated Prussian Blue Analogue to Derive Dual Metal-Organic Framework-Assisted Cobalt Iron Derivatives for Enhancing Electrochemical Total Water Splitting. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14465-14476.	1.5	38
48	Flexible Transparent Symmetric Solid-State Supercapacitors Based on NiO-Decorated Nanofiber-Based Composite Electrodes with Excellent Mechanical Flexibility and Cyclability. <i>ACS Applied Energy Materials</i> , 2020, 3, 2394-2403.	2.5	24
49	Vertically Aligned Metal-Organic Framework Derived from Sacrificial Cobalt Nanowire Template Interconnected with Nickel Foam Supported Selenite Network as an Integrated 3D Electrode for Overall Water Splitting. <i>Inorganic Chemistry</i> , 2020, 59, 3817-3827.	1.9	42
50	A multicore-shell architecture with a phase-selective (±)MnO <sub>2</sub> shell for an aqueous-KOH-based supercapacitor with high operating potential. <i>Chemical Engineering Journal</i> , 2020, 387, 124028.	6.6	50
51	Characterization and antibacterial activity of rice grain-shaped ZnS nanoparticles immobilized inside the polymer electrospun nanofibers. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 8-15.	9.9	47
52	An innovative synthetic approach for core-shell multiscale hierarchically porous boron and nitrogen codoped carbon nanofibers for the oxygen reduction reaction. <i>Journal of Power Sources</i> , 2020, 453, 227883.	4.0	31
53	PAN-ZnO/PAN-Mn <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> Janus nanofibers: Controlled fabrication and enhanced photocatalytic properties under UV and visible light. <i>Chemical Physics Letters</i> , 2020, 759, 138050.	1.2	11
54	Three-dimensional porous carbonaceous network with in-situ entrapped metallic cobalt for supercapacitor application. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 622-630.	5.0	44

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55	Preparation and characterization of nickel nanoparticles decorated carbon fibers derived from discarded ostrich eggshell membranes for supercapacitors application. <i>Functional Composites and Structures</i> , 2019, 1, 045004.	1.6	13
56	Silver nanoparticles entrapped cobalt oxide nanohairs/electrospun carbon nanofibers nanocomposite in apt architecture for high performance supercapacitors. <i>Composites Part B: Engineering</i> , 2019, 178, 107482.	5.9	37
57	Autoclave Mediated Synthesis of Silver Nanoparticles Using Aqueous Extract of <i>Canna indica</i> L. Rhizome and Evaluation of Its Antimicrobial Activity. <i>Macromolecular Research</i> , 2019, 27, 1155-1160.	1.0	5
58	Superstable, Highly Efficient, and Recyclable Fibrous Metal-Organic Framework Membranes for Precious Metal Recovery from Strong Acidic Solutions. <i>Small</i> , 2019, 15, e1805242.	5.2	54
59	Electrochemical Cathodic Treatment of Mild Steel as a Host for Ni(OH) <sub>2</sub> Catalyst for Oxygen Evolution Reaction in Alkaline Media. <i>ChemElectroChem</i> , 2019, 6, 4391-4401.	1.7	11
60	Effective charge separation of inverted polymer solar cells using versatile MoS <sub>2</sub> nanosheets as an electron transport layer. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15356-15363.	5.2	19
61	Enhancing the performance and stability of NiCo <sub>2</sub> O <sub>4</sub> nanoneedle coated on Ni foam electrodes with Ni seed layer for supercapacitor applications. <i>Ceramics International</i> , 2019, 45, 13099-13111.	2.3	19
62	In-situ fabrication of manganese oxide nanorods decorated manganese oxide nanosheets as an efficient and durable catalyst for oxygen reduction reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 311-318.	2.3	18
63	In-built fabrication of MOF assimilated B/N co-doped 3D porous carbon nanofiber network as a binder-free electrode for supercapacitors. <i>Electrochimica Acta</i> , 2019, 301, 209-219.	2.6	96
64	Metal-organic framework derived Co <sub>3</sub> O <sub>4</sub> /MoS <sub>2</sub> heterostructure for efficient bifunctional electrocatalysts for oxygen evolution reaction and hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 202-210.	10.8	309
65	Fabrication of Hierarchically Structured MOF@Co <sub>3</sub> O <sub>4</sub> on Well-aligned CuO Nanowire with an Enhanced Electrocatalytic Property. <i>Electroanalysis</i> , 2019, 31, 966-974.	1.5	22
66	Polydopamine-based Implantable Multifunctional Nanocarpet for Highly Efficient Photothermal-chemo Therapy. <i>Scientific Reports</i> , 2019, 9, 2943.	1.6	55
67	Dual functional nickel cobalt/MWCNT composite electrode-based electrochemical capacitor and enzymeless glucose biosensor applications: Influence of Ni/Co molar ratio. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 73, 1-7.	2.9	31
68	Nitrogen doped graphene quantum dots (N-GQDs)/Co <sub>3</sub> O <sub>4</sub> composite material as an efficient bi-functional electrocatalyst for oxygen evolution and oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4726-4737.	3.8	80
69	Facile synthesis and characterization of carbon quantum dots and photovoltaic applications. <i>Thin Solid Films</i> , 2018, 660, 672-677.	0.8	44
70	Carbon nanofibers wrapped with zinc oxide nano-flakes as promising electrode material for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 40-47.	5.0	92
71	Effective strategies for anode surface modification for power harvesting and industrial wastewater treatment using microbial fuel cells. <i>Journal of Environmental Management</i> , 2018, 206, 228-235.	3.8	18
72	Electrospun salicylic acid/polyurethane composite nanofibers for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 739-744.	1.8	26

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73	Engineered carbon fiber papers as flexible binder-free electrodes for high-performance capacitive energy storage. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 59, 277-285.	2.9	22
74	Influence of Sn content on the electrocatalytic activity of NiSn alloy nanoparticles-incorporated carbon nanofibers toward methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21333-21344.	3.8	25
75	Environment-friendly, durable, electro-conductive, and highly transparent heaters based on silver nanowire functionalized keratin nanofiber textiles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7847-7854.	2.7	17
76	Ultrasound assisted formation of Mn <sub>2</sub> SnO <sub>4</sub> nanocube as electrodes for high performance symmetrical hybrid supercapacitors. <i>Electrochimica Acta</i> , 2018, 278, 93-105.	2.6	37
77	Facile green synthesis of silver nanodendrite/cellulose acetate thin film electrodes for flexible supercapacitors. <i>Carbohydrate Polymers</i> , 2017, 163, 153-161.	5.1	20
78	One-step synthesis of Co-TiC-carbon composite nanofibers at low temperature. <i>Ceramics International</i> , 2017, 43, 5828-5831.	2.3	18
79	Highly flexible, erosion resistant and nitrogen doped hollow SiC fibrous mats for high temperature thermal insulators. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2664-2672.	5.2	77
80	Synthesis and characterization of reduced graphene oxide decorated with CeO <sub>2</sub> -doped MnO <sub>2</sub> nanorods for supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 338-344.	5.0	118
81	Characterization of pitch prepared from pyrolysis fuel oil via electron beam irradiation. <i>Radiation Physics and Chemistry</i> , 2017, 135, 127-132.	1.4	6
82	Electrospun nanofibers: New generation materials for advanced applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 217, 36-48.	1.7	397
83	Rational designed strategy to dispel mutual interference of mercuric and ferric ions towards robust, pH-stable fluorescent carbon nanodots. <i>Analyst, The</i> , 2017, 142, 1149-1156.	1.7	20
84	Novel magnetically separable silver-iron oxide nanoparticles decorated graphitic carbon nitride nano-sheets: A multifunctional photocatalyst via one-step hydrothermal process. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 343-352.	5.0	60
85	Moderated surface defects of Ni particles encapsulated with NiO nanofibers as supercapacitor with high capacitance and energy density. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 155-163.	5.0	66
86	Preparation of zero-valent Co/N-CNFs as an immobilized thin film onto graphite disc for methanol electrooxidation. <i>Fibers and Polymers</i> , 2017, 18, 696-705.	1.1	14
87	Electricity generation from real industrial wastewater using a single-chamber air cathode microbial fuel cell with an activated carbon anode. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1151-1161.	1.7	18
88	Electrospun CoCr <sub>7</sub> C <sub>3</sub> -supported C nanofibers: Effective, durable, and chemically stable catalyst for H <sub>2</sub> gas generation from ammonia borane. <i>Molecular Catalysis</i> , 2017, 434, 32-38.	1.0	25
89	A facile ultrasonic-assisted fabrication of nitrogen-doped carbon dots/BiOBr up-conversion nanocomposites for visible light photocatalytic enhancements. <i>Scientific Reports</i> , 2017, 7, 45086.	1.6	64
90	Electrospun Co-TiC nanoparticles embedded on carbon nanofibers: Active and chemically stable counter electrode for methanol fuel cells and dye-sensitized solar cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10407-10415.	3.8	30

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91	ZnO@C (core@shell) microspheres derived from spent coffee grounds as applicable non-precious electrode material for DMFCs. <i>Scientific Reports</i> , 2017, 7, 1738.	1.6	27
92	Polypyrrole-Decorated Hierarchical NiCo <sub>2</sub> O <sub>4</sub> Nanoneedles/Carbon Fiber Papers for Flexible High-Performance Supercapacitor Applications. <i>Electrochimica Acta</i> , 2017, 247, 524-534.	2.6	80
93	Graphite Sheets as High-Performance Low-Cost Anodes for Microbial Fuel Cells Using Real Food Wastewater. <i>Chemical Engineering and Technology</i> , 2017, 40, 2243-2250.	0.9	40
94	Green synthesis of fluorescent carbon dots from carrot juice for in vitro cellular imaging. <i>Carbon Letters</i> , 2017, 21, 61-67.	3.3	68
95	Dyeing of electrospun nylon 6 nanofibers with reactive dyes using electron beam irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 16-20.	2.9	12
96	Expeditious and eco-friendly fabrication of highly uniform microflower superstructures and their applications in highly durable methanol oxidation and high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12253-12262.	5.2	72
97	In-situ synthesis of nanofibers with various ratios of BiOClx/BiOBry/BiOlz for effective trichloroethylene photocatalytic degradation. <i>Applied Surface Science</i> , 2016, 384, 192-199.	3.1	100
98	Flexible 3D Nanoporous Graphene for Desalination and Bio-decontamination of Brackish Water via Asymmetric Capacitive Deionization. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25313-25325.	4.0	123
99	Facile Synthesis of Core/Shell-like NiCo <sub>2</sub> O <sub>4</sub> -Decorated MWCNTs and its Excellent Electrocatalytic Activity for Methanol Oxidation. <i>Scientific Reports</i> , 2016, 6, 20313.	1.6	102
100	Nano-designed CaCO <sub>3</sub> @rGO photo-catalyst for effective adsorption and simultaneous removal of organic pollutant. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9593-9598.	1.1	4
101	Environment friendly, transparent nanofiber textiles consolidated with high efficiency PLEDs for wearable electronics. <i>Organic Electronics</i> , 2016, 36, 89-96.	1.4	25
102	Supercapacitors based on ternary nanocomposite of TiO <sub>2</sub> @Pt/graphenes. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3894-3900.	1.1	8
103	Photoluminescent and transparent Nylon-6 nanofiber mat composited by CdSe@ZnS quantum dots and poly (methyl methacrylate). <i>Polymer</i> , 2016, 85, 89-95.	1.8	9
104	Effective photocatalytic efficacy of hydrothermally synthesized silver phosphate decorated titanium dioxide nanocomposite fibers. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 225-232.	5.0	55
105	Glucose oxidase stabilized fluorescent gold nanoparticles as an ideal sensor matrix for dual mode sensing of glucose. <i>RSC Advances</i> , 2016, 6, 7212-7223.	1.7	21
106	The (2D) tunnels structured manganese dioxide nanorods with phase for lithium air batteries. <i>Superlattices and Microstructures</i> , 2016, 90, 184-190.	1.4	23
107	Nano-engineered ZnO/CeO <sub>2</sub> dots@CNFs for fuel cell application. <i>Arabian Journal of Chemistry</i> , 2016, 9, 219-228.	2.3	40
108	High Strength Electrospun Nanofiber Mats via CNT Reinforcement: A Review. <i>Composites Research</i> , 2016, 29, 186-193.	0.1	9

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109	Influence of copper content on the electrocatalytic activity toward methanol oxidation of Co/Cu alloy nanoparticles-decorated CNFs. <i>Scientific Reports</i> , 2015, 5, 16695.	1.6	63
110	Influence of orientation on ordered microstructure of PAN-based fibers during electron beam irradiation stabilization. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 120-122.	2.9	18
111	Synthesis and characterization of Co/SrCO <sub>3</sub> nanorods-decorated carbon nanofibers as novel electrocatalyst for methanol oxidation in alkaline medium. <i>Ceramics International</i> , 2015, 41, 6575-6582.	2.3	39
112	Catalytic hydrolysis of ammonia borane for hydrogen generation using Cu(0) nanoparticles supported on TiO <sub>2</sub> nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 470, 194-201.	2.3	55
113	One pot synthesis of Cu-doped TiO <sub>2</sub> carbon nanofibers for dehydrogenation of ammonia borane. <i>Ceramics International</i> , 2015, 41, 6137-6140.	2.3	18
114	Cu <sub>0</sub> -decorated, carbon-doped rutile TiO <sub>2</sub> nanofibers via one step electrospinning: Effective photocatalyst for azo dyes degradation under solar light. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 95, 202-207.	1.8	15
115	Electrospun composite nanofibers of polyacrylonitrile and Ag <sub>2</sub> CO <sub>3</sub> nanoparticles for visible light photocatalysis and antibacterial applications. <i>Journal of Materials Science</i> , 2015, 50, 4477-4485.	1.7	33
116	PAN electrospun nanofibers reinforced with Ag <sub>2</sub> CO <sub>3</sub> nanoparticles: Highly efficient visible light photocatalyst for photodegradation of organic contaminants in waste water. <i>Macromolecular Research</i> , 2015, 23, 149-155.	1.0	20
117	Cobalt-incorporated, nitrogen-doped carbon nanofibers as effective non-precious catalyst for methanol electrooxidation in alkaline medium. <i>Applied Catalysis A: General</i> , 2015, 498, 230-240.	2.2	62
118	Effective and highly recyclable nanosilica produced from the rice husk for effective removal of organic dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 134-145.	2.9	45
119	High-efficiency super capacitors based on hetero-structured MnO <sub>2</sub> nanorods. <i>Journal of Alloys and Compounds</i> , 2015, 642, 210-215.	2.8	51
120	Flexible transparent electrode based on PANi nanowire/nylon nanofiber reinforced cellulose acetate thin film as supercapacitor. <i>Chemical Engineering Journal</i> , 2015, 273, 603-609.	6.6	87
121	In-situ synthesis of Ni/N-doped CNFs-supported graphite disk as effective immobilized catalyst for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14845-14856.	3.8	27
122	Synthesis and characterization of Nitrogen-doped & CaCO <sub>3</sub> -decorated reduced graphene oxide nanocomposite for electrochemical supercapacitors. <i>Electrochimica Acta</i> , 2015, 184, 193-202.	2.6	36
123	Cu <sub>0</sub> -doped TiO <sub>2</sub> nanofibers as potential photocatalyst and antimicrobial agent. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 251-258.	2.9	39
124	Co/CeO <sub>2</sub> -decorated carbon nanofibers as effective non-precious electro-catalyst for fuel cells application in alkaline medium. <i>Ceramics International</i> , 2015, 41, 2271-2278.	2.3	64
125	Hierarchical TiO <sub>2</sub> /ZnO Nanostructure as Novel Non-precious Electrocatalyst for Ethanol Electrooxidation. <i>Journal of Materials Science and Technology</i> , 2015, 31, 97-105.	5.6	18
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