

# Moo Hwan Cho

## List of Publications by Year in descending order

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170  
papers

13,541  
citations

13099

68  
h-index

24258

110  
g-index

174  
all docs

174  
docs citations

174  
times ranked

16397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-Polycrystalline "Polyaniline Empowered Electrochemical Capacitor. <i>Energies</i> , 2022, 15, 2001.	3.1	10
2	Synergistic performance of $\text{Fe}_3\text{O}_4$ / $\text{SnO}_2$ / $\text{rGO}$ nanocomposite for supercapacitor and visible light-responsive photocatalysis. <i>International Journal of Energy Research</i> , 2022, 46, 6517-6528.	4.5	10
3	Green and Phytogenic Fabrication of Co-Doped $\text{SnO}_2$ Using Aqueous Leaf Extract of <i>Tradescantia spathacea</i> for Photoantioxidant and Photocatalytic Studies. <i>BioNanoScience</i> , 2021, 11, 120-135.	3.5	12
4	Fabrication of binary $\text{SnO}_2/\text{TiO}_2$ nanocomposites under a sonication-assisted approach: Tuning of band-gap and water depollution applications under visible light irradiation. <i>Ceramics International</i> , 2021, 47, 15073-15081.	4.8	36
5	Graphitic carbon nitride based mixed-phase bismuth nanostructures: Tuned optical and structural properties with boosted photocatalytic performance for wastewater decontamination under visible-light irradiation. <i>NanoImpact</i> , 2021, 23, 100345.	4.5	8
6	Ag-modified $\text{SnO}_2$ -graphitic-carbon nitride nanostructures for electrochemical sensor applications. <i>Ceramics International</i> , 2021, 47, 23578-23589.	4.8	36
7	Adsorption promoted visible-light-induced photocatalytic degradation of antibiotic tetracycline by tin oxide/cerium oxide nanocomposite. <i>Applied Surface Science</i> , 2021, 565, 150337.	6.1	62
8	A sensitive electrochemical detection of hydrazine based on $\text{SnO}_2/\text{CeO}_2$ nanostructured oxide. <i>Microchemical Journal</i> , 2021, 171, 106784.	4.5	38
9	Aerogel and its composites for sensing, adsorption, and photocatalysis. , 2021, , 125-144.		1
10	Sulfur-doped-graphitic-carbon nitride (S-g-C <sub>3</sub> N <sub>4</sub> ) for low cost electrochemical sensing of hydrazine. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152522.	5.5	70
11	Effect of nitrogen doping on the catalytic activity of carbon nano-onions for the oxygen reduction reaction in microbial fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 269-277.	5.8	34
12	Nanoparticles based Surface Plasmon Enhanced Photocatalysis. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 133-143.	0.5	6
13	Effect of $\text{Co}^{2+}$ and $\text{Ni}^{2+}$ co-doping on $\text{SnO}_2$ synthesized via phytogenic method for photoantioxidant studies and photoconversion of 4-nitrophenol. <i>Materials Today Communications</i> , 2020, 25, 101677.	1.9	15
14	Photoantioxidant studies of $\text{SnO}_2$ nanoparticles fabricated using aqueous leaf extract of <i>Tradescantia spathacea</i> . <i>Solid State Sciences</i> , 2020, 105, 106279.	3.2	33
15	Effect of Ni-doping on properties of the $\text{SnO}_2$ synthesized using <i>Tradescantia spathacea</i> for photoantioxidant studies. <i>Materials Chemistry and Physics</i> , 2020, 252, 123293.	4.0	32
16	Bio-sorbents, industrially important chemicals and novel materials from citrus processing waste as a sustainable and renewable bioresource: A review. <i>Journal of Advanced Research</i> , 2020, 23, 61-82.	9.5	94
17	Microbial fuel cell-assisted biogenic synthesis of gold nanoparticles and its application to energy production and hydrogen peroxide detection. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1241-1250.	2.7	16
18	$\text{Na}_2\text{O}$ -co-doped-graphitic-carbon nitride ( $\text{Na}_2\text{O-g-C}_3\text{N}_4$ ) for nonenzymatic electrochemical sensing of hydrogen peroxide. <i>Applied Surface Science</i> , 2020, 525, 146353.	6.1	45

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19	Biofilm-Assisted Fabrication of Ag@SnO <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> Nanostructures for Visible Light-Induced Photocatalysis and Photoelectrochemical Performance. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20936-20948.	3.1	60
20	Carbothermal process-derived porous N-doped carbon for flexible energy storage: Influence of carbon surface area and conductivity. <i>Chemical Engineering Journal</i> , 2019, 378, 122158.	12.7	19
21	Synergistically effective and highly visible light responsive SnO <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> nanostructures for improved photocatalytic and photoelectrochemical performance. <i>Applied Surface Science</i> , 2019, 495, 143432.	6.1	77
22	Modern Extraction and Purification Techniques for Obtaining High Purity Food-Grade Bioactive Compounds and Value-Added Co-Products from Citrus Wastes. <i>Foods</i> , 2019, 8, 523.	4.3	155
23	Conducting Polymer Nanocomposites as Gas Sensors. <i>Polymers and Polymeric Composites</i> , 2019, , 911-940.	0.6	3
24	Surface Plasmon-Based Nanomaterials as Photocatalyst. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 173-187.	0.5	6
25	Phytogenic Synthesis of Band Gap-Narrowed ZnO Nanoparticles Using the Bulb Extract of <i>Costus woodsonii</i> . <i>BioNanoScience</i> , 2019, 9, 334-344.	3.5	37
26	Bio-synthesis of finely distributed Ag nanoparticle-decorated TiO <sub>2</sub> nanorods for sunlight-induced photoelectrochemical water splitting. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 48-56.	5.8	14
27	Conducting Polymer Nanocomposites as Gas Sensors. <i>Polymers and Polymeric Composites</i> , 2019, , 1-30.	0.6	1
28	Feasibility of using hollow double walled Mn <sub>2</sub> O <sub>3</sub> nanocubes for hybrid Na-air battery. <i>Chemical Engineering Journal</i> , 2019, 360, 415-422.	12.7	31
29	Potentials of <i>Costus woodsonii</i> leaf extract in producing narrow band gap ZnO nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2019, 91, 194-200.	4.0	84
30	Recent progress of algae and blue-green algae-assisted synthesis of gold nanoparticles for various applications. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1-15.	3.4	76
31	Citrus essential oils: Extraction, authentication and application in food preservation. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 611-625.	10.3	148
32	Simple and sustainable route for large scale fabrication of few layered molybdenum disulfide sheets towards superior adsorption of the hazardous organic pollutant. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7792-7800.	2.2	13
33	Lithium ion storage ability, supercapacitor electrode performance, and photocatalytic performance of tungsten disulfide nanosheets. <i>New Journal of Chemistry</i> , 2018, 42, 5859-5867.	2.8	39
34	Ternary Composite of Polyaniline Graphene and TiO <sub>2</sub> as a Bifunctional Catalyst to Enhance the Performance of Both the Bioanode and Cathode of a Microbial Fuel Cell. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 6705-6713.	3.7	40
35	Pilot-scale produced super activated carbon with a nanoporous texture as an excellent adsorbent for the efficient removal of metanil yellow. <i>Powder Technology</i> , 2018, 333, 243-251.	4.2	9
36	Environmentally sustainable biogenic fabrication of AuNP decorated-graphitic g-C <sub>3</sub> N <sub>4</sub> nanostructures towards improved photoelectrochemical performances. <i>RSC Advances</i> , 2018, 8, 13898-13909.	3.6	50

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37	Solid-state symmetrical supercapacitor based on hierarchical flower-like nickel sulfide with shape-controlled morphological evolution. <i>Electrochimica Acta</i> , 2018, 268, 82-93.	5.2	59
38	Microbial fuel cell assisted band gap narrowed TiO <sub>2</sub> for visible light-induced photocatalytic activities and power generation. <i>Scientific Reports</i> , 2018, 8, 1723.	3.3	91
39	Facile Synthesis of SnS <sub>2</sub> Nanostructures with Different Morphologies for High-Performance Supercapacitor Applications. <i>ACS Omega</i> , 2018, 3, 1581-1588.	3.5	125
40	Positively Charged Gold Nanoparticles for Hydrogen Peroxide Detection. <i>BioNanoScience</i> , 2018, 8, 537-543.	3.5	11
41	Citrus waste derived nutra-/pharmaceuticals for health benefits: Current trends and future perspectives. <i>Journal of Functional Foods</i> , 2018, 40, 307-316.	3.4	189
42	Electrochemically active biofilm-assisted biogenic synthesis of an Ag-decorated ZnO@C core-shell ternary plasmonic photocatalyst with enhanced visible-photocatalytic activity. <i>New Journal of Chemistry</i> , 2018, 42, 1995-2005.	2.8	27
43	Recent progress of metal-graphene nanostructures in photocatalysis. <i>Nanoscale</i> , 2018, 10, 9427-9440.	5.6	89
44	Fungi-assisted silver nanoparticle synthesis and their applications. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1-20.	3.4	151
45	A metal-free and non-precious multifunctional 3D carbon foam for high-energy density supercapacitors and enhanced power generation in microbial fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 60, 431-440.	5.8	27
46	Development of Suitable Anode Materials for Microbial Fuel Cells. , 2018, , 101-124.		3
47	A polyaniline@MoS <sub>2</sub> -based organic-inorganic nanohybrid for the removal of Congo red: adsorption kinetic, thermodynamic and isotherm studies. <i>New Journal of Chemistry</i> , 2018, 42, 18802-18809.	2.8	42
48	Environmentally Sustainable Fabrication of Ag@Ag <sub>3</sub> C <sub>4</sub> Nanostructures and Their Multifunctional Efficacy as Antibacterial Agents and Photocatalysts. <i>ACS Applied Nano Materials</i> , 2018, 1, 2912-2922.	5.0	142
49	Effect of Gallium doping on CdS thin film properties and corresponding Cu(InGa)Se <sub>2</sub> /CdS:Ga solar cell performance. <i>Thin Solid Films</i> , 2018, 660, 207-212.	1.8	21
50	Defected graphene nano-platelets for enhanced hydrophilic nature and visible light-induced photoelectrochemical performances. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 104, 233-242.	4.0	27
51	Anion selective pTSA doped polyaniline@graphene oxide-multiwalled carbon nanotube composite for Cr(VI) and Congo red adsorption. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 407-415.	9.4	159
52	Simple and Large Scale Construction of MoS <sub>2</sub> -g-C <sub>3</sub> N <sub>4</sub> Heterostructures Using Mechanochemistry for High Performance Electrochemical Supercapacitor and Visible Light Photocatalytic Applications. <i>Scientific Reports</i> , 2017, 7, 43055.	3.3	157
53	Growth of three-dimensional flower-like SnS <sub>2</sub> on g-C <sub>3</sub> N <sub>4</sub> sheets as an efficient visible-light photocatalyst, photoelectrode, and electrochemical supercapacitance material. <i>Sustainable Energy and Fuels</i> , 2017, 1, 510-519.	4.9	59
54	Mechanically exfoliated MoS <sub>2</sub> sheet coupled with conductive polyaniline as a superior supercapacitor electrode material. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 276-282.	9.4	91

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55	Three-dimensional SnS <sub>2</sub> nanopetals for hybrid sodium-air batteries. <i>Electrochimica Acta</i> , 2017, 257, 328-334.	5.2	53
56	Binder-free production of 3D N-doped porous carbon cubes for efficient Pb <sup>2+</sup> removal through batch and fixed bed adsorption. <i>Journal of Cleaner Production</i> , 2017, 168, 290-301.	9.3	29
57	Facile and sustainable synthesis of carbon-doped ZnO nanostructures towards the superior visible light photocatalytic performance. <i>New Journal of Chemistry</i> , 2017, 41, 9314-9320.	2.8	102
58	Manganese dioxide nanorods intercalated reduced graphene oxide nanocomposite toward high performance electrochemical supercapacitive electrode materials. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 613-619.	9.4	34
59	Ce <sup>3+</sup> -ion, Surface Oxygen Vacancy, and Visible Light-induced Photocatalytic Dye Degradation and Photocapacitive Performance of CeO <sub>2</sub> -Graphene Nanostructures. <i>Scientific Reports</i> , 2017, 7, 5928.	3.3	133
60	Intercalated reduced graphene oxide and its content effect on the supercapacitance performance of the three dimensional flower-like [Ni(OH) <sub>2</sub> ] architecture. <i>New Journal of Chemistry</i> , 2017, 41, 10467-10475.	2.8	20
61	Effect of polyaniline concentration on the photoconversion efficiency of nano-TiO <sub>2</sub> based dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3210-3216.	2.2	2
62	Simple and rapid synthesis of ternary polyaniline/titanium oxide/graphene by simultaneous TiO <sub>2</sub> generation and aniline oxidation as hybrid materials for supercapacitor applications. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 57-68.	2.5	56
63	Converting citrus wastes into value-added products: Economic and environmentally friendly approaches. <i>Nutrition</i> , 2017, 34, 29-46.	2.4	356
64	Metal-Free Carbon-Based Materials: Promising Electrocatalysts for Oxygen Reduction Reaction in Microbial Fuel Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 25.	4.1	67
65	Self-Assembled 3D Flower-Like Nickel Hydroxide Nanostructures and Their Supercapacitor Applications. <i>Scientific Reports</i> , 2016, 6, 27318.	3.3	127
66	Earth-abundant stable elemental semiconductor red phosphorus-based hybrids for environmental remediation and energy storage applications. <i>RSC Advances</i> , 2016, 6, 44616-44629.	3.6	56
67	Graphene integrated polyaniline nanostructured composite coating for protecting steels from corrosion: Synthesis, characterization, and protection mechanism of the coating material in acidic environment. <i>Construction and Building Materials</i> , 2016, 115, 618-633.	7.2	44
68	CdS-graphene Nanocomposite for Efficient Visible-light-driven Photocatalytic and Photoelectrochemical Applications. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 221-232.	9.4	140
69	Facile and single-step route towards ZnO@C core-shell nanoparticles as an oxygen vacancy induced visible light active photocatalyst using the thermal decomposition of Zn(an) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> . <i>RSC Advances</i> , 2016, 6, 70644-70652.	3.6	13
70	Facile and Scale Up Synthesis of Red Phosphorus-Graphitic Carbon Nitride Heterostructures for Energy and Environment Applications. <i>Scientific Reports</i> , 2016, 6, 27713.	3.3	56
71	Facile route to a conducting ternary polyaniline@TiO <sub>2</sub> /GN nanocomposite for environmentally benign applications: photocatalytic degradation of pollutants and biological activity. <i>RSC Advances</i> , 2016, 6, 111308-111317.	3.6	45
72	Electrochemically synthesized sulfur-doped graphene as a superior metal-free cathodic catalyst for oxygen reduction reaction in microbial fuel cells. <i>RSC Advances</i> , 2016, 6, 103446-103454.	3.6	31

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73	Highly Visible Light Responsive, Narrow Band gap TiO <sub>2</sub> Nanoparticles Modified by Elemental Red Phosphorus for Photocatalysis and Photoelectrochemical Applications. <i>Scientific Reports</i> , 2016, 6, 25405.	3.3	222
74	Enhanced electrochemical behavior and hydrophobicity of crystalline polyaniline@graphene nanocomposite synthesized at elevated temperature. <i>Composites Part B: Engineering</i> , 2016, 87, 281-290.	12.0	94
75	Metal free earth abundant elemental red phosphorus: a new class of visible light photocatalyst and photoelectrode materials. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3921-3928.	2.8	74
76	Simultaneous sulfur doping and exfoliation of graphene from graphite using an electrochemical method for supercapacitor electrode materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 233-240.	10.3	151
77	Nitrogen-doped titanium dioxide (N-doped TiO <sub>2</sub> ) for visible light photocatalysis. <i>New Journal of Chemistry</i> , 2016, 40, 3000-3009.	2.8	549
78	Fabrication of WO <sub>3</sub> nanorods on graphene nanosheets for improved visible light-induced photocapacitive and photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 20824-20833.	3.6	121
79	Three-dimensional, highly porous N-doped carbon foam as microorganism propitious, efficient anode for high performance microbial fuel cell. <i>RSC Advances</i> , 2016, 6, 25799-25807.	3.6	44
80	Fibrous polyaniline@manganese oxide nanocomposites as supercapacitor electrode materials and cathode catalysts for improved power production in microbial fuel cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9053-9060.	2.8	133
81	Route to High Surface Area, Mesoporosity of Polyaniline@Titanium Dioxide Nanocomposites via One Pot Synthesis for Energy Storage Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 116-124.	3.7	70
82	Anchoring Mechanism of ZnO Nanoparticles on Graphitic Carbon Nanofiber Surfaces through a Modified Co-precipitation Method to Improve Interfacial Contact and Photocatalytic Performance. <i>ChemPhysChem</i> , 2015, 16, 3214-3232.	2.1	37
83	Silver nanoparticles and defect-induced visible light photocatalytic and photoelectrochemical performance of Ag@m-TiO <sub>2</sub> nanocomposite. <i>Solar Energy Materials and Solar Cells</i> , 2015, 141, 162-170.	6.2	126
84	Improved electrode performance in microbial fuel cells and the enhanced visible light-induced photoelectrochemical behaviour of PtO @M-TiO <sub>2</sub> nanocomposites. <i>Ceramics International</i> , 2015, 41, 9131-9139.	4.8	39
85	Red wines and flavonoids diminish <i>Staphylococcus aureus</i> virulence with anti-biofilm and anti-hemolytic activities. <i>Biofouling</i> , 2015, 31, 1-11.	2.2	94
86	Electrical conductivity, optical property and ammonia sensing studies on HCl Doped Au@polyaniline nanocomposites. <i>Electronic Materials Letters</i> , 2015, 11, 1-6.	2.2	28
87	Visible light-induced enhanced photoelectrochemical and photocatalytic studies of gold decorated SnO <sub>2</sub> nanostructures. <i>New Journal of Chemistry</i> , 2015, 39, 2758-2766.	2.8	101
88	Green synthesis, photocatalytic and photoelectrochemical performance of an Au@Graphene nanocomposite. <i>RSC Advances</i> , 2015, 5, 26897-26904.	3.6	80
89	Polythiophene nanocomposites for photodegradation applications: Past, present and future. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 494-504.	5.2	91
90	DC electrical conductivity retention and electrical compensation of polyaniline by TiO <sub>2</sub> at higher loading percentages in polyaniline@TiO <sub>2</sub> nanocomposites. <i>Electronic Materials Letters</i> , 2015, 11, 559-564.	2.2	11

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91	Eco-friendly, catalyst-free synthesis of highly pure carbon spheres using vegetable oils as a renewable source and their application as a template for ZnO and MgO hollow spheres. RSC Advances, 2015, 5, 57114-57121.	3.6	5
92	Facile strategy for the synthesis of non-covalently bonded and para-toluene sulfonic acid-functionalized fibrous polyaniline@graphene/PVC nanocomposite for the removal of Congo red. New Journal of Chemistry, 2015, 39, 7004-7011.	2.8	21
93	Simple route for the generation of differently functionalized PVC@graphene/polyaniline fiber bundles for the removal of Congo red from wastewater. RSC Advances, 2015, 5, 61486-61494.	3.6	38
94	Simple route for gram synthesis of less defective few layered graphene and its electrochemical performance. RSC Advances, 2015, 5, 44920-44927.	3.6	38
95	A low temperature bottom-up approach for the synthesis of few layered graphene nanosheets via C-C bond formation using a modified Ullmann reaction. RSC Advances, 2015, 5, 46589-46597.	3.6	33
96	The multifaceted roles of the interspecies signalling molecule indole in <i>Agrobacterium tumefaciens</i> . Environmental Microbiology, 2015, 17, 1234-1244.	3.8	54
97	Gold nanoparticles-sensitized wide and narrow band gap TiO <sub>2</sub> for visible light applications: a comparative study. New Journal of Chemistry, 2015, 39, 4708-4715.	2.8	90
98	Facile electrochemical assisted synthesis of ZnO/graphene nanosheets with enhanced photocatalytic activity. RSC Advances, 2015, 5, 97788-97797.	3.6	39
99	Graphene nanodiscs from electrochemical assisted micromechanical exfoliation of graphite: Morphology and supramolecular behavior. Materials Express, 2015, 5, 471-479.	0.5	15
100	Synthesis of highly crystalline polyaniline nanoparticles by simple chemical route. Materials Letters, 2015, 161, 372-374.	2.6	21
101	Biogenic synthesis of a Ag-graphene nanocomposite with efficient photocatalytic degradation, electrical conductivity and photoelectrochemical performance. New Journal of Chemistry, 2015, 39, 8121-8129.	2.8	130
102	Electrically conductive polyaniline sensitized defective-TiO <sub>2</sub> for improved visible light photocatalytic and photoelectrochemical performance: a synergistic effect. New Journal of Chemistry, 2015, 39, 8381-8388.	2.8	42
103	Ammonia sensing and DC electrical conductivity studies of p-toluene sulfonic acid doped cetyltrimethylammonium bromide assisted V <sub>2</sub> O <sub>5</sub> @polyaniline composite nanofibers. Journal of Industrial and Engineering Chemistry, 2015, 22, 147-152.	5.8	23
104	Au@TiO <sub>2</sub> nanocomposites for the catalytic degradation of methyl orange and methylene blue: An electron relay effect. Journal of Industrial and Engineering Chemistry, 2014, 20, 1584-1590.	5.8	234
105	Highly visible light active Ag@ZnO nanocomposites synthesized by gel-combustion route. Journal of Industrial and Engineering Chemistry, 2014, 20, 1602-1607.	5.8	104
106	Ginkgolic acids and Ginkgo biloba extract inhibit Escherichia coli O157:H7 and Staphylococcus aureus biofilm formation. International Journal of Food Microbiology, 2014, 174, 47-55.	4.7	114
107	Band gap engineering of CeO <sub>2</sub> nanostructure using an electrochemically active biofilm for visible light applications. RSC Advances, 2014, 4, 16782-16791.	3.6	266
108	pTSA doped conducting graphene/polyaniline nanocomposite fibers: Thermoelectric behavior and electrode analysis. Chemical Engineering Journal, 2014, 242, 155-161.	12.7	73

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109	Band gap engineered TiO <sub>2</sub> nanoparticles for visible light induced photoelectrochemical and photocatalytic studies. <i>Journal of Materials Chemistry A</i> , 2014, 2, 637-644.	10.3	751
110	Ammonia vapor sensing and electrical properties of fibrous multi-walled carbon nanotube/polyaniline nanocomposites prepared in presence of cetyl-trimethylammonium bromide. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2010-2017.	5.8	41
111	Enhanced thermoelectric performance and ammonia sensing properties of sulfonated polyaniline/graphene thin films. <i>Materials Letters</i> , 2014, 114, 159-162.	2.6	46
112	Enhanced thermoelectric behaviour and visible light activity of Ag@TiO <sub>2</sub> /polyaniline nanocomposite synthesized by biogenic-chemical route. <i>RSC Advances</i> , 2014, 4, 23713-23719.	3.6	75
113	Thermoresponsive oligomers reduce <i>Escherichia coli</i> O157:H7 biofouling and virulence. <i>Biofouling</i> , 2014, 30, 627-637.	2.2	10
114	Anti-biofilm, anti-hemolysis, and anti-virulence activities of black pepper, cananga, myrrh oils, and nerolidol against <i>Staphylococcus aureus</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9447-9457.	3.6	84
115	Electrochemically active biofilm assisted synthesis of Ag@CeO <sub>2</sub> nanocomposites for antimicrobial activity, photocatalysis and photoelectrodes. <i>Journal of Colloid and Interface Science</i> , 2014, 431, 255-263.	9.4	102
116	Highly photoactive SnO <sub>2</sub> nanostructures engineered by electrochemically active biofilm. <i>New Journal of Chemistry</i> , 2014, 38, 2462-2469.	2.8	66
117	Stilbenes Reduce <i>Staphylococcus aureus</i> Hemolysis, Biofilm Formation, and Virulence. <i>Foodborne Pathogens and Disease</i> , 2014, 11, 710-717.	1.8	60
118	Indole oxidation enhances electricity production in an <i>E. coli</i> -catalyzed microbial fuel cell. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 126-131.	2.6	20
119	Mixed Culture Electrochemically Active Biofilms and their Microscopic and Spectroelectrochemical Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 423-432.	6.7	46
120	Optimization of positively charged gold nanoparticles synthesized using a stainless-steel mesh and its application for colorimetric hydrogen peroxide detection. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2003-2009.	5.8	19
121	Resveratrol Oligomers Inhibit Biofilm Formation of <i>Escherichia coli</i> O157:H7 and <i>Pseudomonas aeruginosa</i> . <i>Journal of Natural Products</i> , 2014, 77, 168-172.	3.0	61
122	Defect-Induced Band Gap Narrowed CeO <sub>2</sub> Nanostructures for Visible Light Activities. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 9754-9763.	3.7	278
123	Coumarins reduce biofilm formation and the virulence of <i>Escherichia coli</i> O157:H7. <i>Phytomedicine</i> , 2014, 21, 1037-1042.	5.3	130
124	Biogenic Fabrication of Au@CeO <sub>2</sub> Nanocomposite with Enhanced Visible Light Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9477-9484.	3.1	123
125	Enhanced Thermal Stability under DC Electrical Conductivity Retention and Visible Light Activity of Ag/TiO <sub>2</sub> @Polyaniline Nanocomposite Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8124-8133.	8.0	81
126	Visible light-driven photocatalytic and photoelectrochemical studies of Ag@SnO <sub>2</sub> nanocomposites synthesized using an electrochemically active biofilm. <i>RSC Advances</i> , 2014, 4, 26013-26021.	3.6	103



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127	ZnO nanoparticles inhibit <i>Pseudomonas aeruginosa</i> biofilm formation and virulence factor production. <i>Microbiological Research</i> , 2014, 169, 888-896.	5.3	196
128	Novel Ag@TiO <sub>2</sub> nanocomposite synthesized by electrochemically active biofilm for nonenzymatic hydrogen peroxide sensor. <i>Materials Science and Engineering C</i> , 2013, 33, 4692-4699.	7.3	70
129	Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm. <i>Nanoscale</i> , 2013, 5, 9238.	5.6	523
130	Gold Nanoparticles Produced <i>In Situ</i> Mediate Bioelectricity and Hydrogen Production in a Microbial Fuel Cell by Quantized Capacitance Charging. <i>ChemSusChem</i> , 2013, 6, 246-250.	6.8	34
131	Indole and 7-benzyloxyindole attenuate the virulence of <i>Staphylococcus aureus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4543-4552.	3.6	98
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