

Won-Chun Oh

List of Publications by Year in descending order

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169
papers

2,772
citations

218592

26
h-index

265120

42
g-index

175
all docs

175
docs citations

175
times ranked

2952
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced sonocatalytic degradation of organic dyes from aqueous solutions by novel synthesis of mesoporous Fe ₃ O ₄ -graphene/ZnO@SiO ₂ nanocomposites. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 267-278.	3.8	125
2	Enhanced photocatalytic degradation of Acid Blue dye using CdS/TiO ₂ nanocomposite. <i>Scientific Reports</i> , 2022, 12, 5759.	1.6	100
3	Synthesis of fullerene modified with Ag ₂ S with high photocatalytic activity under visible light. <i>Journal of Materials Chemistry</i> , 2012, 22, 16127.	6.7	88
4	Synthesis and characterization of novel PbS-graphene/TiO ₂ composite with enhanced photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1035-1042.	2.9	72
5	One-step hydrothermal fabrication of strongly coupled Co ₃ O ₄ nanosheets-reduced graphene oxide for electrochemical capacitors. <i>RSC Advances</i> , 2014, 4, 14408-14413.	1.7	71
6	Effect of Pt treated fullerene/TiO ₂ on the photocatalytic degradation of MO under visible light. <i>Journal of Materials Chemistry</i> , 2011, 21, 7596.	6.7	69
7	Characterization and relative sonocatalytic efficiencies of a new MWCNT and CdS modified TiO ₂ catalysts and their application in the sonocatalytic degradation of rhodamine B. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 478-484.	3.8	68
8	Synthesis of frost-like CuO combined graphene-TiO ₂ by self-assembly method and its high photocatalytic performance. <i>Applied Surface Science</i> , 2017, 412, 252-261.	3.1	64
9	Evaluation of the photocatalytic efficiency of cobalt oxide nanoparticles towards the degradation of crystal violet and methylene violet dyes. <i>Optik</i> , 2020, 207, 164428.	1.4	62
10	Enhanced electromagnetic wave absorption performance of silane coupling agent KH550@Fe ₃ O ₄ hollow nanospheres/graphene composites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2913-2926.	2.7	61
11	A review on graphene based transition metal oxide composites and its application towards supercapacitor electrodes. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	55
12	A comprehensive review on green synthesis of titanium dioxide nanoparticles and their diverse biomedical applications. <i>Green Processing and Synthesis</i> , 2022, 11, 44-63.	1.3	53
13	Preparation of Nanowire like WSe ₂ -Graphene Nanocomposite for Photocatalytic Reduction of CO ₂ into CH ₃ OH with the Presence of Sacrificial Agents. <i>Scientific Reports</i> , 2017, 7, 1867.	1.6	51
14	Comparative study on gas sensing by a Schottky diode electrode prepared with graphene-semiconductor-polymer nanocomposites. <i>RSC Advances</i> , 2019, 9, 11484-11492.	1.7	51
15	Novel synthesis of WSe ₂ -Graphene-TiO ₂ ternary nanocomposite via ultrasonic technics for high photocatalytic reduction of CO ₂ into CH ₃ OH. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 738-746.	3.8	48
16	Sonocatalytic degradation of Rhodamine B in the presence of C ₆₀ and CdS coupled TiO ₂ particles. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 143-150.	3.8	43
17	Synergistic effect of PtSe ₂ and graphene sheets supported by TiO ₂ as cocatalysts synthesized via microwave techniques for improved photocatalytic activity. <i>Catalysis Science and Technology</i> , 2015, 5, 184-198.	2.1	43
18	Fabrication and physicochemical characterization of g-C ₃ N ₄ /ZnO composite with enhanced photocatalytic activity under visible light. <i>Optical Materials</i> , 2020, 100, 109643.	1.7	43

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19	Synthesis of mesoporous SiO ₂ /Cu ₂ O@graphene nanocomposites and their highly efficient photocatalytic performance for dye pollutants. RSC Advances, 2017, 7, 29284-29294.	1.7	43
20	Optical and photocatalytic properties of novel heterogeneous PtSe ₂ @graphene/TiO ₂ nanocomposites synthesized via ultrasonic assisted techniques. Ultrasonics Sonochemistry, 2014, 21, 1849-1857.	3.8	37
21	Research progress of defective MoS ₂ for photocatalytic hydrogen evolution. Journal of the Korean Ceramic Society, 2021, 58, 135-147.	1.1	34
22	Synthesis of BiVO ₄ -GO-PVDF nanocomposite: An excellent, newly designed material for high photocatalytic activity towards organic dye degradation by tuning band gap energies. Solid State Sciences, 2018, 80, 22-30.	1.5	31
23	Rhodamine B degradation and reactive oxygen species generation by a ZnSe-graphene/TiO ₂ sonocatalyst. Chinese Journal of Catalysis, 2014, 35, 1825-1832.	6.9	29
24	Green synthesis of cuprous oxide nanoparticles for environmental remediation and enhanced visible-light photocatalytic activity. Optik, 2020, 214, 164849.	1.4	28
25	Comparative studies of crystal violet dye removal between semiconductor nanoparticles and natural adsorbents. Optik, 2020, 206, 164281.	1.4	28
26	Functionalized graphene-based nanocomposites for smart optoelectronic applications. Nanotechnology Reviews, 2021, 10, 605-635.	2.6	28
27	Synthesis and Characterization of MoS ₂ /Graphene-TiO ₂ Ternary Photocatalysts for High-Efficiency Hydrogen Production under Visible Light. Journal of the Korean Ceramic Society, 2019, 56, 284-290.	1.1	28
28	Ternary self-assembly method of mesoporous silica and Cu ₂ O combined graphene composite by nonionic surfactant and photocatalytic degradation of cationic-anionic dye pollutants. Separation and Purification Technology, 2018, 190, 77-89.	3.9	27
29	Enhanced Photocatalytic Activity of rGO-CuO Nanocomposites for the Degradation of Organic Pollutants. Catalysts, 2021, 11, 1008.	1.6	26
30	Novel synthesis of nano needle-like Cu ₂ O-GO-TiO ₂ and CuO-GO-TiO ₂ for the high photocatalytic performance of anionic and cationic pollutants. Solid State Sciences, 2019, 91, 77-88.	1.5	25
31	Novel Micro and Nanostructure of a AgCuInS ₂ @Graphene@TiO ₂ Ternary Composite for Photocatalytic CO ₂ Reduction for Methanol Fuel. ACS Omega, 2020, 5, 26389-26401.	1.6	25
32	Facile synthesis of La-doped cobalt ferrite@glucose-based carbon composite as effective multiband microwave absorber. Journal of the American Ceramic Society, 2021, 104, 2191-2200.	1.9	25
33	Rapid sonochemical synthesis of novel PbSe@graphene@TiO ₂ composite sonocatalysts with enhanced on decolorization performance and generation of ROS. Ultrasonics Sonochemistry, 2015, 27, 252-261.	3.8	24
34	A novel BiVO ₄ -GO-TiO ₂ -PANI composite for upgraded photocatalytic performance under visible light and its non-toxicity. Environmental Science and Pollution Research, 2019, 26, 11888-11904.	2.7	24
35	Comparative Study of Electrochemical Biosensors Based on Highly Efficient Mesoporous ZrO ₂ -Ag-G-SiO ₂ and In ₂ O ₃ -G-SiO ₂ for Rapid Recognition of <i>E. coli</i> O157:H7. ACS Omega, 2020, 5, 22719-22730.	1.6	24
36	Microwave synthesis of a CoSe ₂ /graphene@TiO ₂ heterostructure for improved hydrogen evolution from aqueous solutions in the presence of sacrificial agents. RSC Advances, 2015, 5, 18841-18849.	1.7	23

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37	Synthesis and characterization of novel PtSe ₂ /graphene nanocomposites and its visible light driven catalytic properties. <i>Journal of Materials Science</i> , 2014, 49, 4139-4147.	1.7	22
38	Enhanced photocatalytic activity of Cuprous Oxide nanoparticles for malachite green degradation under the visible light radiation. <i>Materials Research Express</i> , 2020, 7, 015038.	0.8	22
39	Smart stimuli-responsive nanocarriers for the cancer therapy nanomedicine. <i>Nanotechnology Reviews</i> , 2021, 10, 933-953.	2.6	22
40	Hybrid of Graphene based on quaternary Cu ₂ ZnNiSe ₄ WO ₃ Nanorods for Counter Electrode in Dye-sensitized Solar Cell Application. <i>Scientific Reports</i> , 2020, 10, 4738.	1.6	21
41	Simultaneous determination of Hg(II) and Cu(II) in water samples using fluorescence quenching sensor of N-doped and N,K co-doped graphene quantum dots. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3714-3723.	2.3	21
42	A Fluorescence Switching Sensor for Sensitive and Selective Detections of Cyanide and Ferricyanide Using Mercuric Cation-Graphene Quantum Dots. <i>ACS Omega</i> , 2021, 6, 14379-14393.	1.6	21
43	Synthesis of BiVO ₄ -GO-PTFE nanocomposite photocatalysts for high efficient visible-light-induced photocatalytic performance for dyes. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15106-15117.	1.1	19
44	A new synergetic mesoporous silica combined to CdSe-graphene nanocomposite for dye degradation and hydrogen evolution in visible light. <i>Materials Research Bulletin</i> , 2018, 107, 14-27.	2.7	18
45	CVD grown graphene/CNT composite as additive material to improve the performance of electric double layer capacitors (EDLCs). <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6592-6600.	1.1	17
46	A simple ultrasonic-synthetic route of Cu ₂ Se-graphene-TiO ₂ ternary composites for carbon dioxide conversion processes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 827-836.	1.0	17
47	New Design of Active Material Based on YInWO ₄ -G-SiO ₂ for a Urea Sensor and High Performance for Nonenzymatic Electrical Sensitivity. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6981-6994.	2.6	17
48	Polypyrrole-Bonded Quaternary Semiconductor LiCuMo ₂ O ₁₁ Graphene Nanocomposite for a Narrow Band Gap Energy Effect and Its Gas-Sensing Performance. <i>ACS Omega</i> , 2020, 5, 17337-17346.	1.6	17
49	New design of mesoporous SiO ₂ combined In ₂ O ₃ -graphene semiconductor nanocomposite for highly effective and selective gas detection. <i>Journal of Materials Science</i> , 2020, 55, 13085-13101.	1.7	17
50	Synthesis of Polyaniline Supported CdS/CdS-ZnS/CdS-TiO ₂ Nanocomposite for Efficient Photocatalytic Applications. <i>Nanomaterials</i> , 2022, 12, 1355.	1.9	17
51	A simple ultrasono-synthetic route of PbSe-graphene-TiO ₂ ternary composites to improve the photocatalytic reduction of CO ₂ . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 449-458.	1.0	16
52	Photocatalytic activities of contaminants by Bi ₂ WO ₆ -graphene composites decorated with mesoporous silica. <i>Journal of Alloys and Compounds</i> , 2018, 766, 477-487.	2.8	16
53	A New Aspect for Band Gap Energy of Graphene-Mg ₂ CuSnCoO ₆ -Gallic Acid as a Counter Electrode for Enhancing Dye-Sensitized Solar Cell Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38859-38867.	4.0	16
54	Fabrication of nitrogen-rich graphitic carbon nitride/Cu ₂ O (g-C ₃ N ₄ @Cu ₂ O) composite and its enhanced photocatalytic activity for organic pollutants degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2257-2268.	1.1	16

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55	Exploration of the antibacterial capacity and ethanol sensing ability of Cu-TiO ₂ nanoparticles. Journal of Experimental Nanoscience, 2020, 15, 337-349.	1.3	16
56	Enhanced photocatalytic activity of CO ₂ reduction to methanol through the use of a novel-structured CuCaAg ₂ Se@graphene@TiO ₂ ternary nanocomposite. New Journal of Chemistry, 2020, 44, 16795-16809.	1.4	16
57	Synthesis of g-C ₃ N ₄ /diatomite/MnO ₂ composites and their enhanced photo-catalytic activity driven by visible light. Journal of the Korean Ceramic Society, 2021, 58, 548-558.	1.1	16
58	A comparative electrochemical study of non-enzymatic glucose, ascorbic acid, and albumin detection by using a ternary mesoporous metal oxide (ZrO ₂ , SiO ₂ and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (In 4256-4269.	1.7	15
59	Modified hydrothermal synthesis and characterization of reduced graphene oxide-silver selenide nanocomposites with enhanced reactive oxygen species generation. Chinese Journal of Catalysis, 2015, 36, 603-611.	6.9	14
60	A facile route to synthesize ternary Cu ₂ O quantum dot/graphene-TiO ₂ nanocomposites with an improved photocatalytic effect. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 684-690.	1.0	14
61	Synthesis of Ag_2Se @graphene@ TiO_2 nanocomposite and analysis of photocatalytic activity of CO_2 reduction to CH_3OH . Bulletin of Materials Science, 2017, 40, 1319-1328.	0.8	14
62	Novel and simple process for the photocatalytic reduction of CO ₂ with ternary Bi ₂ O ₃ @graphene@ZnO nanocomposite. Journal of Materials Science: Materials in Electronics, 2018, 29, 10222-10233.	1.1	14
63	Comparison of sunlight-driven photocatalytic activity of semiconductor metal oxides of tin oxide and cadmium oxide nanoparticles. Optik, 2020, 217, 164878.	1.4	14
64	An eco-friendly synthesized mesoporous-silica particle combined with WSe ₂ -graphene-TiO ₂ by self-assembled method for photocatalytic dye decomposition and hydrogen production. Scientific Reports, 2018, 8, 12759.	1.6	13
65	Highly efficient visible light driven photocatalytic activities of the LaCu ₂ -graphene composite-decorated ordered mesoporous silica. Separation and Purification Technology, 2018, 205, 11-21.	3.9	13
66	Novel cadmium oxide-graphene nanocomposite grown on mesoporous silica for simultaneous photocatalytic H ₂ -evolution. Chemosphere, 2020, 239, 124825.	4.2	13
67	Eco-friendly conductive polymer-based nanocomposites, BiVO ₄ /graphene oxide/polyaniline for excellent photocatalytic performance. Polymer Bulletin, 2020, 77, 4381-4400.	1.7	13
68	A novel and simple approach for the synthesis of Fe ₃ O ₄ -graphene composite. Korean Journal of Chemical Engineering, 2012, 29, 989-993.	1.2	12
69	Characterization of Graphene Nanosheets as Electrode Material and Their Performances for Electric Double-Layer Capacitors. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 525-536.	1.0	12
70	Degradation of Organic Dyes by CdSe Decorated Graphene Nanocomposite in Dark Ambiance. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 437-448.	1.0	12
71	Exploring the therapeutic potentials of phyto-mediated silver nanoparticles formed via <i>Calotropis procera</i> (Ait.) R. Br. root extract. Journal of Experimental Nanoscience, 2020, 15, 217-231.	1.3	12
72	Ultratrace Detection of Nickel(II) Ions in Water Samples Using Dimethylglyoxime-Doped GQDs as the Induced Metal Complex Nanoparticles by a Resonance Light Scattering Sensor. ACS Omega, 2021, 6, 14796-14805.	1.6	12

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73	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2021, 780, 138897.	1.2	12
74	Flower-like SnO ₂ Nanoparticle Biofabrication Using <i>Pometia pinnata</i> Leaf Extract and Study on Its Photocatalytic and Antibacterial Activities. <i>Nanomaterials</i> , 2021, 11, 3012.	1.9	12
75	3D Modeling of Silver Doped ZrO ₂ Coupled Graphene-Based Mesoporous Silica Quaternary Nanocomposite for a Nonenzymatic Glucose Sensing Effects. <i>Nanomaterials</i> , 2022, 12, 193.	1.9	12
76	Highly Sensitive Fingerprint Detection under UV Light on Non-Porous Surface Using Starch-Powder Based Luminol-Doped Carbon Dots (N-CDs) from Tender Coconut Water as a Green Carbon Source. <i>Nanomaterials</i> , 2022, 12, 400.	1.9	12
77	Microwave-assisted synthesis of a graphene-Bi ₈ La ₁₀ O ₂₇ nanocomposite as an efficient catalytic counter electrode for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 9613-9622.	1.4	11
78	Novel synthesis of LaNiSbWO ₄ -G-PANI Designed as Quaternary Type Composite for High Photocatalytic Performance of Anionic Dye and Trihydroxybenzoic acid under Visible-Light. <i>Chemical Engineering Research and Design</i> , 2019, 126, 348-355.	2.7	11
79	The double perovskite structure effect of a novel La ₂ CuNiO ₆ -ZnSe-graphene nanocatalytic composite for dye sensitized solar cells as a freestanding counter electrode. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1389-1397.	1.6	11
80	Electroanalytical characteristic of a novel biosensor designed with graphene-polymer-based quaternary and mesoporous nanomaterials. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	11
81	Preparation of coral-like palygorskite-dispersed Fe ₃ O ₄ /polyaniline with improved electromagnetic absorption performance. <i>Applied Clay Science</i> , 2021, 204, 106009.	2.6	11
82	Catalytic reduction of CO ₂ to alcohol with Cu ₂ Se-combined graphene binary nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 555-563.	1.0	10
83	Microwave-assisted synthesis of Bi ₂ Se ₃ /reduced graphene oxide nanocomposite as efficient catalytic counter electrode for dye-sensitized solar cell. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 622-629.	1.0	10
84	Mechanistic anticarcinogenic efficacy of phytofabricated gold nanoparticles on human lung adenocarcinoma cells. <i>Journal of Experimental Nanoscience</i> , 2020, 15, 160-173.	1.3	10
85	Sonochemical synthesis of graphene based PbSe nanocomposite as efficient catalytic counter electrode for dye-sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2062-2070.	1.1	9
86	Preparation of lithium-doped Na ₆ O ₁₅ thin film cathodes with high cycling performance in ASIBs. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 289-301.	1.1	9
87	Preparation of highly expanded graphene with large surface area and its additional conductive effect for EDLC performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6945-6953.	1.1	8
88	Novel flexible Ag nanoparticles doped on graphene-Ba ₂ GaInO ₆ as cathode material for enhancement in the power conversion of DSSCs. <i>Solar Energy</i> , 2019, 180, 510-518.	2.9	8
89	Sono-synthesized Fe ₃ O ₄ -GO-NH ₂ nanocomposite for highly efficient ultrasound-assisted magnetic dispersive solid-phase microextraction of hazardous dye Congo red from water samples. <i>Journal of the Korean Ceramic Society</i> , 2021, 58, 201-211.	1.1	8
90	Polymer bonded Graphene- LaNiSbWO ₄ nanocomposite (G-LaNiSbWO ₄ -PPy) for CO ₂ sensing performance under normal temperature condition. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 1803-1812.	0.9	8

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91	Improvement in Water Resistance of Desulfurized Gypsum by Novel Modification of Silicone Oil Paraffin Composite Emulsion-based Waterproofing Agent. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 558-565.	1.1	8
92	Microwave absorption and photocatalytic activity of Mg _x Zn _{1-x} ferrite/diatomite composites. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 252-262.	1.1	8
93	Influencing Factors in the Synthesis of Photoactive Nanocomposites of ZnO/SiO ₂ -Porous Heterostructures from Montmorillonite and the Study for Methyl Violet Photodegradation. <i>Nanomaterials</i> , 2021, 11, 3427.	1.9	8
94	High performance for electric double-layer capacitors based on CNT@CG composite synthesized as additive material by CVD method. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 428-433.	2.9	7
95	An alternative of NiCoSe doped graphene hybrid La ₆ W ₂ O ₁₅ for renewable energy conversion used in dye-sensitized solar cells. <i>Solid State Ionics</i> , 2018, 327, 99-109.	1.3	7
96	Synergetic effect of La ₂ CdSnTiO ₄ -WSe ₂ perovskite structured nanoparticles on graphene oxide for high efficiency of dye sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2019, 775, 690-697.	2.8	7
97	Photocatalytic activities using a nanocomposite of mesoporous SiO ₂ and CdInSe-graphene nanoparticles under visible light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 371, 271-281.	2.0	7
98	Sonochemical synthesis of PANI-BiVO ₄ -GO semiconductor nanocomposite highly efficient visible-light photocatalytic performance. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 945-958.	1.0	7
99	Influence of sonication on the physicochemical and biological characteristics of selenium-substituted hydroxyapatites. <i>New Journal of Chemistry</i> , 2020, 44, 17453-17464.	1.4	7
100	A glassy carbon electrode modified with tailored nanostructures of cobalt oxide for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18850-18858.	3.8	7
101	Nanoformulations of core-shell type hydroxyapatite-coated gum acacia with enhanced bioactivity and controlled drug delivery for biomedical applications. <i>New Journal of Chemistry</i> , 2020, 44, 7175-7185.	1.4	7
102	New modeling of AgFeNi ₂ S ₄ -graphene-TiO ₂ ternary nanocomposite with chelate compounds and its photocatalytic reduction of CO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9804-9821.	1.1	7
103	Drug delivery and in vitro biological effects of gum ghatti-modified hydroxyapatite nanoporous composites. <i>Materials Chemistry and Physics</i> , 2021, 263, 124385.	2.0	7
104	Surface Modification Effect and Electrochemical Performance of LiOH-High Surface Activated Carbon as a Cathode Material in EDLC. <i>Molecules</i> , 2021, 26, 2187.	1.7	7
105	Chemo-Electrical Gas Sensors Based on LaNiMoSe ₂ in Graphene and Conducting Polymer PANI Composite Semiconductor Nanocomposite. <i>Journal of Electronic Materials</i> , 2021, 50, 5754-5764.	1.0	7
106	In situ growth of CdS spherical nanoparticles/Ti ₃ C ₂ MXene nanosheet heterojunction with enhanced photocatalytic hydrogen evolution. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 302-311.	1.1	7
107	Novel gamma-irradiated chitosan-doped reduced graphene-CuInS ₂ composites as counter electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2022, 12, 15427-15434.	1.7	7
108	MWCNT-Based Ag ₂ S-TiO ₂ Nanocomposites Photocatalyst: Ultrasound-Assisted Synthesis, Characterization, and Enhanced Catalytic Efficiency. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-10.	1.5	6

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109	Bubble template synthesis of CdLa ₂ S ₄ hollow spheres/reduced graphene oxide nanocomposites as efficient and sustainable visible-light driven photocatalysts. RSC Advances, 2015, 5, 90321-90334.	1.7	6
110	Strategy to improve photovoltaic performance of DSSC sensitized by using novel nanostructured La doped TiO ₂ -graphene electrodes. Journal of Materials Science: Materials in Electronics, 2018, 29, 3437-3448.	1.1	6
111	Immobilization of Bi ₂ O ₃ Particles on Activated Carbon Fiber and Its Photodegradation Performance for Pollutant Dyes. Asian Journal of Chemistry, 2018, 30, 491-498.	0.1	6
112	Fabrication and enhancement in photoconductive response of α -Fe ₂ O ₃ /graphene nanocomposites as anode material. Journal of Materials Science: Materials in Electronics, 2018, 29, 17786-17794.	1.1	6
113	Three-dimensional of graphene oxide Ba ₂ V ₂ Pb ₂ Se ₆ framework composite attach on cellulose based counter electrode for dye-sensitized solar cell. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 11-20.	2.0	6
114	Surface modification and electrochemical performance of KMnO ₄ -ultra-surface area activated carbon (USAC) composites as cathode material. Journal of the Korean Ceramic Society, 2020, 57, 585-596.	1.1	6
115	Preparation of porous cordierite ceramic with acid-leached coal gangue. Journal of the Korean Ceramic Society, 2020, 57, 447-453.	1.1	6
116	Docking and <i>in vitro</i> molecular biology studies of <i>p</i> -anisidine-appended 1-hydroxy-2-acetonaphthanone Schiff base lanthanum(III) complexes. RSC Advances, 2020, 10, 16457-16472.	1.7	6
117	Modeling dye-sensitized solar cells with graphene based on nanocomposites in the Brillouin zone and density functional theory. Journal of the Korean Ceramic Society, 2021, 58, 50-61.	1.1	6
118	3D shape of BiVO ₄ -GO nanocomposite for excellent photocatalytic performance on standard and industrial dyes under visible light. Journal of the Korean Ceramic Society, 0, , 1.	1.1	6
119	Non-enzymatic sensing of glucose with high specificity and sensitivity based on high surface area mesoporous BiZnSbV-G-SiO ₂ . Journal of Materials Science: Materials in Electronics, 2021, 32, 8330-8346.	1.1	6
120	High surface area mesoporous BiZnSbV-G-SiO ₂ -based electrochemical biosensor for quantitative and rapid detection of microalbuminuria. Journal of Applied Electrochemistry, 2021, 51, 1345-1360.	1.5	6
121	New modeling of 3D quaternary type BaCuZnS-graphene-TiO ₂ (BCZS-G-T) composite for photosonocatalytic hydrogen evolution with scavenger effect. Photochemical and Photobiological Sciences, 2020, 19, 1765-1775.	1.6	6
122	Photo-Electrochemical Reduction of CO ₂ to Methanol on Quaternary Chalcogenide Loaded Graphene-TiO ₂ Ternary Nanocomposite Fabricated via Pechini Method. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2910-2927.	1.9	6
123	Design and Analysis of Soft Error Rate in FET/CNTFET Based Radiation Hardened SRAM Cell. Sensors, 2022, 22, 33.	2.1	6
124	Excellent visible light photocatalytic properties of novel graphene based CdLa ₂ S ₄ /TiO ₂ heterojunction nanocomposite. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 1-11.	1.0	5
125	Preparation and photocatalytic activity of a novel BiOCl/g-C ₃ N ₄ thin film prepared via spin coating. Journal of the Korean Ceramic Society, 2020, 57, 331-337.	1.1	5
126	Novel designed quaternary CuZnSnSe semiconductor combined graphene-polymer (CuZnSnSe-G-PPy) composites for highly selective gas-sensing properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 12812-12821.	1.1	5

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127	Quaternary nanorod-type BaInSbSe5 semiconductor combined graphene-based conducting polymer (PPy) nanocomposite and highly sensing performance of H2O2 & H2S gases. Journal of Materials Science: Materials in Electronics, 2021, 32, 15944-15963.	1.1	5
128	Graphene-based nanocomposite using new modeling molecular dynamic simulations for proposed neutralizing mechanism and real-time sensing of COVID-19. Nanotechnology Reviews, 2022, 11, 1555-1569.	2.6	5
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