

Kefayat Ullah

List of Publications by Year in descending order

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69
papers

1,017
citations

430874

18
h-index

454955

30
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all docs

70
docs citations

70
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.2	6
2	Fabrication of CdO@graphene embedded mesoporous TiO ₂ composite for the visible-light response and its organic dye remediation. Separation Science and Technology, 2020, 55, 1544-1557.	2.5	2
3	A review on graphene based transition metal oxide composites and its application towards supercapacitor electrodes. SN Applied Sciences, 2020, 2, 1.	2.9	55
4	Control of light in a quantized four level graphene atomic system via self and cross-Kerr nonlinearity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125998.	2.1	8
5	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.	2.2	6
6	Electrochemical Performance of Graphene/Activated Carbon Based Electric Double Layer Supercapacitors. Asian Journal of Chemistry, 2016, 28, 133-137.	0.3	3
7	Fabrication of large size graphene and Ti-MWCNTs/ large size graphene composites: their photocatalytic properties and potential application. Scientific Reports, 2015, 5, 14242.	3.3	4
8	Thermal and Physical Performance of Heat Sink for Light-Emitting Diode Improved with Expanded Graphite. Asian Journal of Chemistry, 2015, 27, 2298-2302.	0.3	2
9	Palladium Doped Graphene Nanocomposites Synthesized with Microwave- Assisted Method and their Application for Hydrogen Evolution. Asian Journal of Chemistry, 2015, 27, 4175-4178.	0.3	0
10	Additional Materials Effect for Improved Electrochemical Performance of Activated Carbon Fiber Based Electric Double Layer Capacitors. Asian Journal of Chemistry, 2015, 27, 2260-2266.	0.3	4
11	Enhanced Photocatalytic Activity of Pd-MWCNT/TiO ₂ Catalysts Synthesized by Ultrasound-Assisted Method and their Application for Hydrogen Evolution. Asian Journal of Chemistry, 2015, 27, 4229-4231.	0.3	1
12	Sonophotocatalytic Performance of Ag ₂ Se-Graphene Hybrid Nanomaterials Synthesized by Hydrothermal Method. Asian Journal of Chemistry, 2015, 27, 4226-4228.	0.3	0
13	Enhanced Physical and Thermal Performance of Expanded Graphite-Based Heat Sink for LED Radiator. Asian Journal of Chemistry, 2015, 27, 4076-4080.	0.3	0
14	Ultrasonic-Assisted Synthesis of Pd-MWCNT/TiO ₂ Catalysts and Its Application in the Photodegradation of Reactive Black B. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 599-604.	2.1	2
15	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.	3.6	23
16	CVD growth of large-area graphene over Cu foil by atmospheric pressure and its application in H ₂ evolution. Solid State Sciences, 2015, 46, 84-88.	3.2	11
17	Detection of Oxygen Species Generated in the Presence of CNT by Loading ZnS. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1373-1379.	0.6	2
18	Preparation of highly expanded graphene with large surface area and its additional conductive effect for EDLC performance. Journal of Materials Science: Materials in Electronics, 2015, 26, 6945-6953.	2.2	8

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19	A Facile Preparation of Graphene-Based M_xS_y Visible Light Driven Photocatalyst and Study of Photochemically Generating of Oxygen Species. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 1693-1700.	0.6	0
20	Detection of reactive oxygen species (ROS) and investigation of efficient visible-light-responsive photocatalysis via nanoscale PbSe sensitized TiO_2 . <i>Separation and Purification Technology</i> , 2015, 151, 184-192.	7.9	15
21	Enhanced visible light photocatalytic activity and hydrogen evolution through novel heterostructure $\text{Ag}^{\delta+}\text{Fe}^{\delta-}\text{TiO}_2$ nanocomposites. <i>Journal of Molecular Catalysis A</i> , 2015, 410, 242-252.	4.8	11
22	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.	4.1	43
23	Novel PbSe/Graphene Nanocomposites Synthesized With Ultrasonic Assisted Method and their Enhanced Photocatalytic Activity. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 531-538.	0.6	1
24	A green and direct synthesis of photosensitized CoS_2 -graphene/ TiO_2 hybrid with high photocatalytic performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 264-271.	5.8	34
25	Degradation of Organic Dyes by CdSe Decorated Graphene Nanocomposite in Dark Ambiance. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 437-448.	2.1	12
26	Microwave-Assisted Synthesis of Pt-Graphene/ TiO_2 Nanocomposites and Their Efficiency in Assisting Hydrogen Evolution from Water in the Presence of Sacrificial Agents. <i>Science of Advanced Materials</i> , 2015, 7, 606-614.	0.7	9
27	Synthesis of Nanosized SnS-TiO_2 Photocatalysts with Excellent Degradation Effect of TBA under Visible Light Irradiation. <i>Korean Journal of Materials Research</i> , 2015, 25, 455-461.	0.2	1
28	Microwave-Assisted Synthesis of Pd-MWCNT/ TiO_2 Catalysts and its Application in the Photodegradation of Reactive Black B. <i>Asian Journal of Chemistry</i> , 2014, 26, 4112-4114.	0.3	0
29	Ultrasonic Assisted Synthesis of Graphene Based PbSe Nanocomposite with Enhanced Photocatalytic Activity. <i>Asian Journal of Chemistry</i> , 2014, 26, 4115-4117.	0.3	0
30	Photocatalytic Degradation of Methylene Blue by NiS_2 -Graphene Supported TiO_2 Catalyst Composites. <i>Asian Journal of Chemistry</i> , 2014, 26, 145-150.	0.3	8
31	Fabrication of ZnO and TiO_2 Combined Activated Carbon Nanocomposite and Adsorption Enhanced Synergetic Photocatalytic Effect. <i>Asian Journal of Chemistry</i> , 2014, 26, 1829-1832.	0.3	5
32	Visible Light Driven Catalytic Properties Over Methyl Orange by Novel PtSe_2 /Graphene Nanocomposites. <i>Asian Journal of Chemistry</i> , 2014, 26, 1575-1579.	0.3	3
33	A Facile One-Pot Hydrothermal Method to Produce SnS /Reduced Graphene Oxide and Its Application in Removal of Dyes from Aqueous Solution. <i>Asian Journal of Chemistry</i> , 2014, 26, 1264-1266.	0.3	0
34	Progress in Design and Fabrication of Novel Graphene-Based Semiconductor Photocatalysts. <i>Asian Journal of Chemistry</i> , 2014, 26, S1-S5.	0.3	5
35	Fabrication and Performances of Graphene/ TiO_2 Composites Derived from Graphenes and Titanium(IV) Alkoxide Precursors. <i>Asian Journal of Chemistry</i> , 2014, 26, 1833-1838.	0.3	1
36	Photocatalytic and Reusability Studies of Novel ZnSe /Graphene Nanocomposites Synthesized via One Pot Hydrothermal Techniques. <i>Asian Journal of Chemistry</i> , 2014, 26, 4097-4102.	0.3	3

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37	Rhodamine B degradation and reactive oxygen species generation by a ZnSe-graphene/TiO ₂ sonocatalyst. Chinese Journal of Catalysis, 2014, 35, 1825-1832.	14.0	29
38	Synthesis and characterization of novel PbS-graphene/TiO ₂ composite with enhanced photocatalytic activity. Journal of Industrial and Engineering Chemistry, 2014, 20, 1035-1042.	5.8	72
39	Synthesis and characterization of novel PtSe ₂ /graphene nanocomposites and its visible light driven catalytic properties. Journal of Materials Science, 2014, 49, 4139-4147.	3.7	22
40	Noble metal doped graphene nanocomposites and its study of photocatalytic hydrogen evolution. Solid State Sciences, 2014, 31, 91-98.	3.2	30
41	Photocatalytic properties under visible light with graphene based platinum selenide nanocomposites synthesized by microwave assisted method. Materials Science in Semiconductor Processing, 2014, 25, 34-42.	4.0	15
42	Modified hydrothermal fabrication of a CoS ₂ -graphene hybrid with improved photocatalytic performance. Materials Science in Semiconductor Processing, 2014, 27, 173-180.	4.0	27
43	Microwave assisted synthesis of a noble metal-graphene hybrid photocatalyst for high efficient decomposition of organic dyes under visible light. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 180, 20-26.	3.5	47
44	Visible light induced catalytic properties of CdSe-graphene nanocomposites and study of its bactericidal effect. Chinese Chemical Letters, 2014, 25, 941-946.	9.0	14
45	Optical and photocatalytic properties of novel heterogeneous PtSe ₂ -graphene/TiO ₂ nanocomposites synthesized via ultrasonic assisted techniques. Ultrasonics Sonochemistry, 2014, 21, 1849-1857.	8.2	37
46	Detection of oxygen species generated by WO ₃ modification fullerene/TiO ₂ in the degradation of 1,5-diphenyl carbazide. Materials Research Bulletin, 2014, 56, 45-53.	5.2	13
47	Study of the photochemically generated of oxygen species by fullerene photosensitized CoS ₂ nanocompounds. Materials Research Bulletin, 2014, 49, 272-278.	5.2	5
48	Facile Preparation of Ag ₂ S-CNT Nanocomposites with Enhanced Photo-catalytic Activity. Journal of the Korean Ceramic Society, 2014, 51, 1-6.	2.3	4
49	Characterization of a Novel MnS-ACF/TiO ₂ Composite and Photocatalytic Mechanism Derived from Organic Dye Decomposition. Journal of the Korean Ceramic Society, 2014, 51, 139-144.	2.3	6
50	Sonophotocatalytic Performance of Bi ₂ Se ₃ -Graphene/TiO ₂ Hybrid Nanomaterials Synthesized with a Microwave-assisted Method. Journal of the Korean Ceramic Society, 2014, 51, 162-169.	2.3	1
51	Sonocatalytic Degradation of Rhodamine B in the Presence of TiO ₂ Nanoparticles by Loading WO ₃ . Korean Journal of Materials Research, 2014, 24, 6-12.	0.2	2
52	Synthesis and Characterization of ZnS and ZnS/TiO ₂ Nanocomposites and Their Enhanced Photo-decolorization of MB and 1,5-Diphenyl Carbazide. Journal of the Korean Ceramic Society, 2014, 51, 307-311.	2.3	2
53	A facile and fast synthesis of novel composite Pt-graphene/TiO ₂ with enhanced photocatalytic activity under UV/Visible light. Chemical Engineering Journal, 2013, 231, 76-83.	12.7	57
54	Fullerene modification CdSe/TiO ₂ and modification of photocatalytic activity under visible light. Nanoscale Research Letters, 2013, 8, 189.	5.7	35

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55	Detection of oxygen species generated by CNT photosensitized CoS ₂ nanocomposites. Applied Surface Science, 2013, 286, 261-268.	6.1	9
56	Enhanced visible light photocatalytic activity of Ag ₂ S-graphene/TiO ₂ nanocomposites made by sonochemical synthesis. Chinese Journal of Catalysis, 2013, 34, 1527-1533.	14.0	17
57	The characteristic study and sonocatalytic performance of CdSe@graphene as catalyst in the degradation of azo dyes in aqueous solution under dark conditions. Ultrasonics Sonochemistry, 2013, 20, 768-776.	8.2	79
58	Graphene oxide based CdSe photocatalysts: Synthesis, characterization and comparative photocatalytic efficiency of rhodamine B and industrial dye. Materials Research Bulletin, 2013, 48, 1268-1274.	5.2	69
59	High photonic effect of organic dye degradation by CdSe@graphene@TiO ₂ particles. Journal of Industrial and Engineering Chemistry, 2013, 19, 797-805.	5.8	59
60	Synthesis and Characterization of Photoelectrocatalytic Electrodes for Methylene Blue Degradation. Asian Journal of Chemistry, 2013, 25, 5415-5419.	0.3	1
61	Photoelectrocatalytic Electrodes with High Activity for Methylene Blue Degradation. Asian Journal of Chemistry, 2013, 25, 5727-5728.	0.3	0
62	Wastewater Treatment by CNT/TiO ₂ Composites Prepared from Multi-Walled Carbon Nanotubes with Different Organo-Titanium Precursors. Asian Journal of Chemistry, 2013, 25, 3141-3146.	0.3	22
63	Heterogeneous Photocatalytic Degradation of Anionic and Cationic Dyes Over Fe-Fullerene/TiO ₂ Under Visible Light. Asian Journal of Chemistry, 2013, 25, 6001-6007.	0.3	4
64	Easy and Fast Synthesis of Pd-MWCNT/TiO ₂ by the Sol-Gel Method and its Recyclic Photodegradation of Rhodamine B. Journal of the Korean Ceramic Society, 2013, 50, 251-256.	2.3	3
65	Preparation and Characterization of ZnO-ACF/TiO ₂ Composite Catalysts for the Photocatalytic Degradation of MO under Visible Light. Journal of the Korean Ceramic Society, 2013, 50, 269-274.	2.3	1
66	Hydrothermal Synthesis, Characterization and Improved Activity of a Visible-Light-Driven ZnSe-Sensitized TiO ₂ Composite Photocatalyst. Journal of the Korean Ceramic Society, 2013, 50, 504-509.	2.3	11
67	Excess Conductivity Analysis and the Critical Region in Be-Doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca _{1-y} Be _y Cu _{0.5} Zn _{1.5} O ₈ Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 975-982.	1.8	2
68	Ag ₂ Se-Graphene/TiO ₂ Nanocomposites, Sonochemical Synthesis and Enhanced Photocatalytic Properties Under Visible Light. Bulletin of the Korean Chemical Society, 2012, 33, 3761-3766.	1.9	20
69	Be-Doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₁ (Cu _{0.5} Zn _{1.5})O ₈ Superconductors. Journal of Superconductivity and Novel Magnetism, 2010, 23, 1517-1523.	1.8	1