

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
g-index

70
all docs

70
docs citations

70
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	A review on graphene based transition metal oxide composites and its application towards supercapacitor electrodes. SN Applied Sciences, 2020, 2, 1.	2.9	55
7	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
8	Synergistic effect of PtSe ₂ and graphene sheets supported by TiO ₂ as cocatalysts synthesized via microwave techniques for improved photocatalytic activity. Catalysis Science and Technology, 2015, 5, 184-198.	4.1	43
9	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
10	Fullerene modification CdSe/TiO ₂ and modification of photocatalytic activity under visible light. Nanoscale Research Letters, 2013, 8, 189.	5.7	35
11	A green and direct synthesis of photosensitized CoS ₂ @graphene/TiO ₂ hybrid with high photocatalytic performance. Journal of Industrial and Engineering Chemistry, 2015, 22, 264-271.	5.8	34
12	Noble metal doped graphene nanocomposites and its study of photocatalytic hydrogen evolution. Solid State Sciences, 2014, 31, 91-98.	3.2	30
13	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
14	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
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	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
17	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
18	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

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19	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
20	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
21	Detection of reactive oxygen species (ROS) and investigation of efficient visible-light-responsive photocatalysis via nanoscale PbSe sensitized TiO ₂ . Separation and Purification Technology, 2015, 151, 184-192.	7.9	15
22	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
23	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
24	Degradation of Organic Dyes by CdSe Decorated Graphene Nanocomposite in Dark Ambiance. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 437-448.	2.1	12
25	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
26	Enhanced visible light photocatalytic activity and hydrogen evolution through novel heterostructure Ag ₂ Se/TiO ₂ nanocomposites. Journal of Molecular Catalysis A, 2015, 410, 242-252.	4.8	11
27	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
28	Detection of oxygen species generated by CNT photosensitized CoS ₂ nanocomposites. Applied Surface Science, 2013, 286, 261-268.	6.1	9
29	Microwave-Assisted Synthesis of Pt-Graphene/TiO ₂ Nanocomposites and Their Efficiency in Assisting Hydrogen Evolution from Water in the Presence of Sacrificial Agents. Science of Advanced Materials, 2015, 7, 606-614.	0.7	9
30	Photocatalytic Degradation of Methylene Blue by NiS ₂ -Graphene Supported TiO ₂ Catalyst Composites. Asian Journal of Chemistry, 2014, 26, 145-150.	0.3	8
31	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
32	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
33	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
34	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
35	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
36	Fabrication of ZnO and TiO ₂ Combined Activated Carbon Nanocomposite and Adsorption Enhanced Synergetic Photocatalytic Effe. Asian Journal of Chemistry, 2014, 26, 1829-1832.	0.3	5

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37	Progress in Design and Fabrication of Novel Graphene-Based Semiconductor Photocatalysts. Asian Journal of Chemistry, 2014, 26, S1-S5.	0.3	5
38	Study of the photochemically generated of oxygen species by fullerene photosensitized CoS ₂ nanocompounds. Materials Research Bulletin, 2014, 49, 272-278.	5.2	5
39	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
40	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
41	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
42	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
43	Visible Light Driven Catalytic Properties Over Methyl Orange by Novel PtSe ₂ /Graphene Nanocomposites. Asian Journal of Chemistry, 2014, 26, 1575-1579.	0.3	3
44	Photocatalytic and Reusability Studies of Novel ZnSe/Graphene Nanocomposites Synthesized via One Pot Hydrothermal Techniques. Asian Journal of Chemistry, 2014, 26, 4097-4102.	0.3	3
45	Electrochemical Performance of Graphene/Activated Carbon Based Electric Double Layer Supercapacitors. Asian Journal of Chemistry, 2016, 28, 133-137.	0.3	3
46	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
47	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+δ} Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 975-982.	1.8	2
48	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
49	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
50	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
51	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
52	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
53	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
54	Be-Doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₁ (Cu _{0.5} Zn _{1.5})O _{8+δ} Superconductors. Journal of Superconductivity and Novel Magnetism, 2010, 23, 1517-1523.	1.8	1

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55	Synthesis and Characterization of Photoelectrocatalytic Electrodes for Methylene Blue Degradation. Asian Journal of Chemistry, 2013, 25, 5415-5419.	0.3	1
56	Fabrication and Performances of Graphene/TiO ₂ Composites Derived from Graphenes and Titanium(IV) Alkoxide Precursors. Asian Journal of Chemistry, 2014, 26, 1833-1838.	0.3	1
57	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
58	Novel PbSe/Graphene Nanocomposites Synthesized With Ultrasonic Assisted Method and their Enhanced Photocatalytic Activity. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 531-538.	0.6	1
59	Synthesis of Nanosized SnS-TiO ₂ Photocatalysts with Excellent Degradation Effect of TBA under Visible Light Irradiation. Korean Journal of Materials Research, 2015, 25, 455-461.	0.2	1
60	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
61	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
62	Photoelectrocatalytic Electrodes with High Activity for Methylene Blue Degradation. Asian Journal of Chemistry, 2013, 25, 5727-5728.	0.3	0
63	Microwave-Assisted Synthesis of Pd-MWCNT/TiO ₂ Catalysts and its Application in the Photodegradation of Reactive Black B. Asian Journal of Chemistry, 2014, 26, 4112-4114.	0.3	0
64	Ultrasonic Assisted Synthesis of Graphene Based PbSe Nanocomposite with Enhanced Photocatalytic Activity. Asian Journal of Chemistry, 2014, 26, 4115-4117.	0.3	0
65	A Facile One-Pot Hydrothermal Method to Produce SnS/Reduced Graphene Oxide and Its Application in Removal of Dyes from Aqueous Solution. Asian Journal of Chemistry, 2014, 26, 1264-1266.	0.3	0
66	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
67	Sonophotocatalytic Performance of Ag ₂ Se-Graphene Hybrid Nanomaterials Synthesized by Hydrothermal Method. Asian Journal of Chemistry, 2015, 27, 4226-4228.	0.3	0
68	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
69	A Facile Preparation of Graphene-Based M _x S _y Visible Light Driven Photocatalyst and Study of Photochemically Generating of Oxygen Species. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1693-1700.	0.6	0