

Mohammad Razaul Karim

List of Publications by Citations

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54
papers

1,459
citations

20
h-index

37
g-index

60
ext. papers

1,686
ext. citations

4.7
avg, IF

4.64
L-index

#	Paper	IF	Citations
54	Graphene oxide nanosheet with high proton conductivity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8097-100	16.4	391
53	Proton conductivities of graphene oxide nanosheets: single, multilayer, and modified nanosheets. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6997-7000	16.4	137
52	Optimization of proton conductivity in graphene oxide by filling sulfate ions. <i>Chemical Communications</i> , 2014 , 50, 14527-30	5.8	68
51	Electrical Conductivity and Ferromagnetism in a Reduced GrapheneMetal Oxide Hybrid. <i>Advanced Functional Materials</i> , 2013 , 23, 323-332	15.6	61
50	Effect of Interlayer Distance and Oxygen Content on Proton Conductivity of Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21976-21982	3.8	46
49	Magnetic Behavior and Liquid-Crystal Properties in Spin-Crossover Cobalt(II) Compounds with Long Alkyl Chains. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 683-696	2.3	40
48	Proton conductors produced by chemical modifications of carbon allotropes, perovskites and metal organic frameworks. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7243-7256	13	37
47	Electrochemical decolorization of Methylene blue at Pt electrode in KCl solution for environmental remediation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 787-791	6.3	36
46	Branched Alkylamine-Reduced Graphene Oxide Hybrids as a Dual Proton-Electron Conductor and Organic-Only Water-Splitting Photocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10829-10838	9.5	29
45	Graphene oxide and reduced graphene oxide hybrids with spin crossover iron(III) complexes. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 886-892	6.8	26
44	Methane enrichment of biogas by carbon dioxide fixation with calcium hydroxide and activated carbon. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 58, 476-481	5.3	25
43	Role of hydrophilic groups in acid intercalated graphene oxide as a superionic conductor. <i>RSC Advances</i> , 2017 , 7, 21901-21905	3.7	25
42	One-step facile synthesis of SnO ₂ @Nd ₂ O ₃ nanocomposites for selective amidol detection in aqueous phase. <i>New Journal of Chemistry</i> , 2020 , 44, 4952-4959	3.6	25
41	Proton Conductivities of Graphene Oxide Nanosheets: Single, Multilayer, and Modified Nanosheets. <i>Angewandte Chemie</i> , 2014 , 126, 7117-7120	3.6	25
40	Proton Conductivity of Graphene Oxide Hybrids with Covalently Functionalized Alkylamines. <i>Chemistry Letters</i> , 2013 , 42, 1412-1414	1.7	25
39	Optimization, kinetic and thermodynamic studies for removal of Brilliant Red (X-3B) using Tannin gel. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 76-83	6.8	24
38	Hybrids from the π -Stacking of Graphene Oxide and Aromatic Sulfonic Compounds for Improved Proton Conductivity. <i>ChemElectroChem</i> , 2018 , 5, 238-241	4.3	22

37	Reduced graphene oxide-transition metal hybrids as p-type semiconductors for acetaldehyde sensing. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 842-848	6.8	21
36	Superionic Conductivity in Hybrid of 3-Hydroxypropanesulfonic Acid and Graphene Oxide. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 194-197	4.5	20
35	Hydrogen Generation by Graphene Oxide-Alkylamine Hybrids through Photocatalytic Water Splitting. <i>Chemistry Letters</i> , 2014 , 43, 486-488	1.7	17
34	Impaired Proton Conductivity of Metal-Doped Graphene Oxide. <i>Bulletin of the Chemical Society of Japan</i> , 2014 , 87, 639-641	5.1	17
33	Tri-Functional OER, HER and ORR Electrocatalyst Electrodes from In Situ Metal-Nitrogen Co-Doped Oxidized Graphite Rods. <i>Bulletin of the Chemical Society of Japan</i> , 2017 , 90, 950-954	5.1	15
32	Super Dielectric Materials of Two-Dimensional TiO or CaNbO Nanosheet Hybrids with Reduced Graphene Oxide. <i>ACS Omega</i> , 2018 , 3, 2074-2083	3.9	15
31	Thermally Stable Super Ionic Conductor from Carbon Sphere Oxide. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2322-7	4.5	15
30	In situ oxygenous functionalization of a graphite electrode for enhanced affinity towards charged species and a reduced graphene oxide mediator. <i>New Journal of Chemistry</i> , 2014 , 38, 2120-2127	3.6	15
29	Detection of 3,4-diaminotoluene based on Sr _{0.3} Pb _{0.7} TiO ₃ /CoFe ₂ O ₄ core/shell nanocomposite via an electrochemical approach. <i>New Journal of Chemistry</i> , 2020 , 44, 7941-7953	3.6	13
28	Graphene and Graphene Oxide as Super Materials. <i>Current Inorganic Chemistry</i> , 2014 , 4, 191-219		13
27	Microwave-assisted catalytic conversion of glucose to 5-hydroxymethylfurfural using "three dimensional" graphene oxide hybrid catalysts.. <i>RSC Advances</i> , 2020 , 10, 11727-11736	3.7	12
26	Crystal Structures and Spin-Crossover Behavior of Iron(II) Complexes with Chiral and Racemic Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1049-1053	2.3	11
25	Synthesis, structural analysis, electrochemical and antimicrobial activities of copper magnesium zirconosilicate (Cu ₂₀ Mg ₁₀ Si ₄₀ Zr _(30-x) O _(x=0,5,7,10) Ni ₂₊) nanocrystals. <i>Microchemical Journal</i> , 2021 , 163, 105881	4.8	11
24	Termination of Structural Deformation and Proton-Electron Conductive Inflection of Graphene Oxide in Six Years. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1304-1312	4	10
23	Modulating the Work Function of Graphene by Pulsed Plasma Aided Controlled Chlorination. <i>Scientific Reports</i> , 2018 , 8, 17392	4.9	10
22	Interlayer Void Space as the Key Semipermeable Site for Sieving Molecules and Leaking Ions in Graphene Oxide Filter. <i>ChemistrySelect</i> , 2017 , 2, 4248-4254	1.8	9
21	Proton Conductivity of Graphene Oxide on Aging. <i>Australian Journal of Chemistry</i> , 2017 , 70, 642	1.2	9
20	A procession on photocatalyst for solar fuel production and waste treatment. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019 , 94, 263-281	1.7	9

19	Tris-Alkoxyphenylterpyridine Cobalt(II) Complexes: Synthesis, Structure, and Magnetic and Mesomorphic Behaviors. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 186-192	3.2	9
18	Reduced graphene oxide-transition metal hybrids for hydrogen generation by photocatalytic water splitting. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2019 , 94, 283-286	1.7	9
17	3D porous Ni/NiO as a bifunctional oxygen electrocatalyst derived from freeze-dried Ni(OH). <i>Nanoscale</i> , 2021 , 13, 5530-5535	7.7	7
16	Oxidation route dependent proton conductivities of oxidized fullerenes. <i>New Journal of Chemistry</i> , 2017 , 41, 14708-14712	3.6	6
15	Photoswitching of the dielectric property of salicylideneaniline. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015 , 82, 219-223	1.7	6
14	Development of an All Solid State Battery Incorporating Graphene Oxide as Proton Conductor. <i>Global Challenges</i> , 2017 , 1, 1700054	4.3	6
13	Photoreduction Dependent p- and n-Type Semiconducting Field-Effect Transistor Properties in Undoped Reduced Graphene Oxide. <i>ChemistrySelect</i> , 2017 , 2, 6941-6944	1.8	6
12	Oxygen-functionalized Porous Carbon as Single-phase Mixed Electron/Proton Conductor with Capacitance Properties. <i>Chemistry Letters</i> , 2017 , 46, 1828-1831	1.7	5
11	Photocurrent Generation of Graphene Oxide Hybrid with Ru(II) Complex. <i>Chemistry Letters</i> , 2016 , 45, 365-367	1.7	5
10	Chemical, Thermal, and Light-Driven Reduction of Graphene Oxide: Approach to Obtain Graphene and its Functional Hybrids 2017 ,		5
9	Fabrication of ascorbic sensor acid with Co ₃ O ₄ .Fe ₂ O ₃ nanosphere materials by electrochemical technique. <i>Surfaces and Interfaces</i> , 2020 , 20, 100607	4.1	5
8	In Situ Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li Bn Battery Anode. <i>ChemistrySelect</i> , 2016 , 1, 6429-6433	1.8	5
7	Bifunctional electron conductive solid electrolyte and dye degrading photocatalyst from rGO-aminoalkane non-metallic origin. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 87-96	5.3	4
6	rGO/aminobutane surfaces with optimized N doping and hydrodynamics as dual proton/electron conductors and carbon photocatalysts. <i>New Journal of Chemistry</i> , 2021 , 45, 383-393	3.6	4
5	Ca ₂ -Ba _{1-b} -X _b -D ₁₀ Nanosheet Photocatalyst for Hydrogen Generation from Water Splitting. <i>MRS Advances</i> , 2018 , 3, 2847-2854	0.7	4
4	Physico-chemical elimination of unwanted CO ₂ , H ₂ S and H ₂ O fractions from biomethane. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 166-172	5.8	3
3	Magnetic and liquid crystalline property of long-alkyl chain appended iron (II) imidazole complexes. <i>Journal of Organometallic Chemistry</i> , 2016 , 808, 42-47	2.3	3
2	Engineering tunable conductivity, p-n junction and light-harvesting semi-conductivity of graphene oxide by fixing reduction mood only. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 120, 325-335	5.3	3

- 1 Crystal Structures and Spin-Crossover Behavior of Iron(II) Complexes with Chiral and Racemic Ligands. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1048-1048 2.3 1