Mohammad Razaul Karim

List of Publications by Year in Descending Order

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	Engineering tunable conductivity, p-n junction and light-harvesting semi-conductivity of graphene oxide by fixing reduction mood only. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 120, 325-335	5.3	3
53	Synthesis, structural analysis, electrochemical and antimicrobial activities of copper magnesium zirconosilicate (Cu20Mg10Si40Zr(30-x)O:(x□=□0,5,7,10) Ni2+) nanocrystals. *Microchemical Journal*, **2021**, 163, 105881	4.8	11
52	rGO□diaminobutane surfaces with optimized N doping and hydrodynamics as dual proton□electron conductors and carbon photocatalysts. *New Journal of Chemistry*, **2021**, 45, 383-393	3.6	4
51	3D porous Ni/NiO as a bifunctional oxygen electrocatalyst derived from freeze-dried Ni(OH). *Nanoscale*, **2021**, 13, 5530-5535	7.7	7
50	One-step facile synthesis of SnO2@Nd2O3 nanocomposites for selective amidol detection in aqueous phase. *New Journal of Chemistry*, **2020**, 44, 4952-4959	3.6	25
49	Branched Alkylamine-Reduced Graphene Oxide Hybrids as a Dual Proton-Electron Conductor and Organic-Only Water-Splitting Photocatalyst. *ACS Applied Materials & Interfaces*, **2020**, 12, 10829-10838	9.5	29
48	Detection of 3,4-diaminotoluene based on Sr0.3Pb0.7TiO3/CoFe2O4 core/shell nanocomposite via an electrochemical approach. *New Journal of Chemistry*, **2020**, 44, 7941-7953	3.6	13
47	Bifunctional electron conductive solid electrolyte and dye degrading photocatalyst from rGO-aminoalkane non-metallic origin. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 112, 87-96	5.3	4
46	Fabrication of ascorbic sensor acid with Co3O4.Fe2O3 nanosphere materials by electrochemical technique. *Surfaces and Interfaces*, **2020**, 20, 100607	4.1	5
45	Termination of Structural Deformation and Proton□Electron Conductive Inflection of Graphene Oxide in Six Years. *ACS Applied Electronic Materials*, **2020**, 2, 1304-1312	4	10
44	Microwave-assisted catalytic conversion of glucose to 5-hydroxymethylfurfural using "three dimensional" graphene oxide hybrid catalysts.. *RSC Advances*, **2020**, 10, 11727-11736	3.7	12
43	Physico-chemical elimination of unwanted CO2, H2S and H2O fractions from biomethane. *Sustainable Energy and Fuels*, **2019**, 3, 166-172	5.8	3
42	A procession on photocatalyst for solar fuel production and waste treatment. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2019**, 94, 263-281	1.7	9
41	Reduced graphene oxide-transition metal hybrids for hydrogen generation by photocatalytic water splitting. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2019**, 94, 283-286	1.7	9
40	Super Dielectric Materials of Two-Dimensional TiO or CaNbO Nanosheet Hybrids with Reduced Graphene Oxide. *ACS Omega*, **2018**, 3, 2074-2083	3.9	15
39	Hybrids from the □Stacking of Graphene Oxide and Aromatic Sulfonic Compounds for Improved Proton Conductivity. *ChemElectroChem*, **2018**, 5, 238-241	4.3	22
38	Modulating the Work Function of Graphene by Pulsed Plasma Aided Controlled Chlorination. *Scientific Reports*, **2018**, 8, 17392	4.9	10

37	Ca2−xLaxNb3−xO10 Nanosheet Photocatalyst for Hydrogen Generation from Water Splitting. *MRS Advances*, **2018**, 3, 2847-2854	0.7	4
36	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
35	Proton conductors produced by chemical modifications of carbon allotropes, perovskites and metal organic frameworks. *Journal of Materials Chemistry A*, **2017**, 5, 7243-7256	13	37
34	Role of hydrophilic groups in acid intercalated graphene oxide as a superionic conductor. *RSC Advances*, **2017**, 7, 21901-21905	3.7	25
33	Tri-Functional OER, HER and ORR Electrocatalyst Electrodes from In Situ Metal-Nitrogen Co-Doped Oxidized Graphite Rods. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 950-954	5.1	15
32	Interlayer Void Space as the Key Semipermeable Site for Sieving Molecules and Leaking Ions in Graphene Oxide Filter. *ChemistrySelect*, **2017**, 2, 4248-4254	1.8	9
31	Proton Conductivity of Graphene Oxide on Aging. *Australian Journal of Chemistry*, **2017**, 70, 642	1.2	9
30	Crystal Structures and Spin-Crossover Behavior of Iron(II) Complexes with Chiral and Racemic Ligands. *European Journal of Inorganic Chemistry*, **2017**, 2017, 1049-1053	2.3	11
29	Oxidation route dependent proton conductivities of oxidized fullerenes. *New Journal of Chemistry*, **2017**, 41, 14708-14712	3.6	6
28	Oxygen-functionalized Porous Carbon as Single-phase Mixed Electron/Proton Conductor with Capacitance Properties. *Chemistry Letters*, **2017**, 46, 1828-1831	1.7	5
27	Development of an All Solid State Battery Incorporating Graphene Oxide as Proton Conductor. *Global Challenges*, **2017**, 1, 1700054	4.3	6
26	Photoreduction Dependent p- and n-Type Semiconducting Field-Effect Transistor Properties in Undoped Reduced Graphene Oxide. *ChemistrySelect*, **2017**, 2, 6941-6944	1.8	6
25	Superionic Conductivity in Hybrid of 3-Hydroxypropanesulfonic Acid and Graphene Oxide. *Chemistry - an Asian Journal*, **2017**, 12, 194-197	4.5	20
24	Chemical, Thermal, and Light-Driven Reduction of Graphene Oxide: Approach to Obtain Graphene and its Functional Hybrids **2017**,		5
23	Methane enrichment of biogas by carbon dioxide fixation with calcium hydroxide and activated carbon. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 58, 476-481	5.3	25
22	Photocurrent Generation of Graphene Oxide Hybrid with Ru(II) Complex. *Chemistry Letters*, **2016**, 45, 365-367	1.7	5
21	Thermally Stable Super Ionic Conductor from Carbon Sphere Oxide. *Chemistry - an Asian Journal*, **2016**, 11, 2322-7	4.5	15
20	Magnetic and liquid crystalline property of long-alkyl chain appended iron (II) imidazole complexes. *Journal of Organometallic Chemistry*, **2016**, 808, 42-47	2.3	3

19	In Situ Generation of Silicon Oxycarbide Phases on Reduced Graphene Oxide for Li-Ion Battery Anode. *ChemistrySelect*, **2016**, 1, 6429-6433	1.8	5
18	Reduced graphene oxide–transition metal hybrids as p-type semiconductors for acetaldehyde sensing. *Inorganic Chemistry Frontiers*, **2016**, 3, 842-848	6.8	21
17	Effect of Interlayer Distance and Oxygen Content on Proton Conductivity of Graphite Oxide. *Journal of Physical Chemistry C*, **2016**, 120, 21976-21982	3.8	46
16	Graphene oxide and reduced graphene oxide hybrids with spin crossover iron(III) complexes. *Inorganic Chemistry Frontiers*, **2015**, 2, 886-892	6.8	26
15	Photoswitching of the dielectric property of salicylideneaniline. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2015**, 82, 219-223	1.7	6
14	Electrochemical decolorization of Methylene blue at Pt electrode in KCl solution for environmental remediation. *Journal of Industrial and Engineering Chemistry*, **2015**, 21, 787-791	6.3	36
13	Optimization, kinetic and thermodynamic studies for removal of Brilliant Red (X-3B) using Tannin gel. *Journal of Environmental Chemical Engineering*, **2014**, 2, 76-83	6.8	24
12	Proton conductivities of graphene oxide nanosheets: single, multilayer, and modified nanosheets. *Angewandte Chemie - International Edition*, **2014**, 53, 6997-7000	16.4	137
11	Proton Conductivities of Graphene Oxide Nanosheets: Single, Multilayer, and Modified Nanosheets. *Angewandte Chemie*, **2014**, 126, 7117-7120	3.6	25
10	In situ oxygenous functionalization of a graphite electrode for enhanced affinity towards charged species and a reduced graphene oxide mediator. *New Journal of Chemistry*, **2014**, 38, 2120-2127	3.6	15
9	Hydrogen Generation by Graphene Oxide–Alkylamine Hybrids through Photocatalytic Water Splitting. *Chemistry Letters*, **2014**, 43, 486-488	1.7	17
8	Impaired Proton Conductivity of Metal-Doped Graphene Oxide. *Bulletin of the Chemical Society of Japan*, **2014**, 87, 639-641	5.1	17
7	Optimization of proton conductivity in graphene oxide by filling sulfate ions. *Chemical Communications*, **2014**, 50, 14527-30	5.8	68
6	Graphene and Graphene Oxide as Super Materials. *Current Inorganic Chemistry*, **2014**, 4, 191-219		13
5	Magnetic Behavior and Liquid-Crystal Properties in Spin-Crossover Cobalt(II) Compounds with Long Alkyl Chains. *European Journal of Inorganic Chemistry*, **2013**, 2013, 683-696	2.3	40
4	Graphene oxide nanosheet with high proton conductivity. *Journal of the American Chemical Society*, **2013**, 135, 8097-100	16.4	391
3	Electrical Conductivity and Ferromagnetism in a Reduced Graphene–Metal Oxide Hybrid. *Advanced Functional Materials*, **2013**, 23, 323-332	15.6	61
2	Tris-Alkoxylphenylterpyridine Cobalt(II) Complexes: Synthesis, Structure, and Magnetic and Mesomorphic Behaviors. *Journal of Inorganic and Organometallic Polymers and Materials*, **2013**, 23, 186-192	3.2	9

1	Proton Conductivity of Graphene Oxide Hybrids with Covalently Functionalized Alkylamines. *Chemistry Letters*, **2013**, 42, 1412-1414	1.7	25