

# Khaled Parvez

## List of Publications by Citations

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

9,271  
citations

31  
h-index

52  
g-index

52  
ext. papers

10,099  
ext. citations

11.2  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
51	3D nitrogen-doped graphene aerogel-supported Fe <sub>3</sub> O <sub>4</sub> nanoparticles as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9082-5	16.4	1833
50	Exfoliation of graphite into graphene in aqueous solutions of inorganic salts. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6083-91	16.4	968
49	Graphene-based in-plane micro-supercapacitors with high power and energy densities. <i>Nature Communications</i> , <b>2013</b> , 4, 2487	17.4	948
48	Nitrogen-doped graphene and its iron-based composite as efficient electrocatalysts for oxygen reduction reaction. <i>ACS Nano</i> , <b>2012</b> , 6, 9541-50	16.7	578
47	Electrochemically exfoliated graphene as solution-processable, highly conductive electrodes for organic electronics. <i>ACS Nano</i> , <b>2013</b> , 7, 3598-606	16.7	440
46	Nitrogen-doped carbon nanosheets with size-defined mesopores as highly efficient metal-free catalyst for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1570-4	16.4	428
45	High-performance electrocatalysts for oxygen reduction derived from cobalt porphyrin-based conjugated mesoporous polymers. <i>Advanced Materials</i> , <b>2014</b> , 26, 1450-5	24	378
44	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 343-350	28.7	335
43	Layer-by-layer assembled heteroatom-doped graphene films with ultrahigh volumetric capacitance and rate capability for micro-supercapacitors. <i>Advanced Materials</i> , <b>2014</b> , 26, 4552-8	24	260
42	Alternating Stacked Graphene-Conducting Polymer Compact Films with Ultrahigh Areal and Volumetric Capacitances for High-Energy Micro-Supercapacitors. <i>Advanced Materials</i> , <b>2015</b> , 27, 4054-61	24	249
41	Bottom-Up Fabrication of Sulfur-Doped Graphene Films Derived from Sulfur-Annulated Nanographene for Ultrahigh Volumetric Capacitance Micro-Supercapacitors. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4506-4512	16.4	248
40	Organic Radical-Assisted Electrochemical Exfoliation for the Scalable Production of High-Quality Graphene. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13927-32	16.4	239
39	UV-reduction of graphene oxide and its application as an interfacial layer to reduce the back-transport reactions in dye-sensitized solar cells. <i>Chemical Physics Letters</i> , <b>2009</b> , 483, 124-127	2.5	219
38	Transparent conductive electrodes from graphene/PEDOT:PSS hybrid inks for ultrathin organic photodetectors. <i>Advanced Materials</i> , <b>2015</b> , 27, 669-75	24	215
37	Nitrogen-Doped Carbon Nanosheets with Size-Defined Mesopores as Highly Efficient Metal-Free Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1596-1600	3.6	208
36	Ultrathin Printable Graphene Supercapacitors with AC Line-Filtering Performance. <i>Advanced Materials</i> , <b>2015</b> , 27, 3669-75	24	197
35	Atomically precise edge chlorination of nanographenes and its application in graphene nanoribbons. <i>Nature Communications</i> , <b>2013</b> , 4, 2646	17.4	156

34	Stacked-Layer Heterostructure Films of 2D Thiophene Nanosheets and Graphene for High-Rate All-Solid-State Pseudocapacitors with Enhanced Volumetric Capacitance. <i>Advanced Materials</i> , <b>2017</b> , 29, 1602960	24	149
33	Bioapplication of graphene oxide derivatives: drug/gene delivery, imaging, polymeric modification, toxicology, therapeutics and challenges. <i>RSC Advances</i> , <b>2015</b> , 5, 42141-42161	3.7	142
32	Photolithographic fabrication of high-performance all-solid-state graphene-based planar micro-supercapacitors with different interdigital fingers. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8288	13	142
31	Bioinspired wafer-scale production of highly stretchable carbon films for transparent conductive electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5535-8	16.4	108
30	Thermodynamic picture of ultrafast charge transport in graphene. <i>Nature Communications</i> , <b>2015</b> , 6, 7655	17.4	100
29	Exfoliation of graphene via wet chemical routes. <i>Synthetic Metals</i> , <b>2015</b> , 210, 123-132	3.6	100
28	Assembly and fiber formation of a gemini-type hexathienocoronene amphiphile for electrical conduction. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13531-7	16.4	74
27	Inkjet printed 2D-crystal based strain gauges on paper. <i>Carbon</i> , <b>2018</b> , 129, 462-467	10.4	70
26	Water-based and inkjet printable inks made by electrochemically exfoliated graphene. <i>Carbon</i> , <b>2019</b> , 149, 213-221	10.4	52
25	One-step electrochemical synthesis of nitrogen and sulfur co-doped, high-quality graphene oxide. <i>Chemical Communications</i> , <b>2016</b> , 52, 5714-7	5.8	47
24	Magnetoresistance and charge transport in graphene governed by nitrogen dopants. <i>ACS Nano</i> , <b>2015</b> , 9, 1360-6	16.7	46
23	Tuning the Work Function of Graphene-on-Quartz with a High Weight Molecular Acceptor. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 4784-4790	3.8	42
22	Bioinspired Wafer-Scale Production of Highly Stretchable Carbon Films for Transparent Conductive Electrodes. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5645-5648	3.6	37
21	Tuning the work function of GaN with organic molecular acceptors. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	32
20	Printed graphene/WS <sub>2</sub> battery-free wireless photosensor on papers. <i>2D Materials</i> , <b>2020</b> , 7, 024004	5.9	30
19	Tuning the Electronic Structure of Graphene by Molecular Dopants: Impact of the Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19134-44	9.5	27
18	Raman Fingerprints of Graphene Produced by Anodic Electrochemical Exfoliation. <i>Nano Letters</i> , <b>2020</b> , 20, 3411-3419	11.5	25
17	Long-term stable dye-sensitized solar cells based on UV photo-crosslinkable poly(ethylene glycol) and poly(ethylene glycol) diacrylate based electrolytes. <i>Solar Energy Materials and Solar Cells</i> , <b>2011</b> , 95, 318-322	6.4	23

16	Novel photo-crosslinkable polymeric electrolyte system based on poly(ethylene glycol) and trimethylolpropane triacrylate for dye-sensitized solar cell with long-term stability. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 6306-6311	6.7	21
15	Comparative study of plasma and ion-beam treatment to reduce the oxygen vacancies in TiO <sub>2</sub> and recombination reactions in dye-sensitized solar cells. <i>Chemical Physics Letters</i> , <b>2010</b> , 495, 69-72	2.5	20
14	Laser Ablation of Poly(lactic acid) Sheets for the Rapid Prototyping of Sustainable, Single-Use, Disposable Medical Microcomponents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 4899-4908	8.3	16
13	Simultaneous electrochemical-assisted exfoliation and in situ surface functionalization towards large-scale production of few-layer graphene. <i>FlatChem</i> , <b>2019</b> , 18, 100132	5.1	14
12	Two-Dimensional Nanomaterials: Crystal Structure and Synthesis <b>2019</b> , 1-25		10
11	Graphene flakes at the SiO <sub>2</sub> /organic-semiconductor interface for high-mobility field-effect transistors. <i>Organic Electronics</i> , <b>2015</b> , 27, 221-226	3.5	8
10	Inkjet-printed graphene Hall mobility measurements and low-frequency noise characterization. <i>Nanoscale</i> , <b>2020</b> , 12, 6708-6716	7.7	8
9	Synthesis of acetyl imidazolium-based electrolytes and application for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2011</b> , 57, 285-289	6.7	7
8	Oxygen ion-beam irradiation of TiO <sub>2</sub> films reduces oxygen vacancies and improves performance of dye-sensitized solar cells. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 1012-1017	2.5	6
7	High-performance deformable photoswitches with p-doped graphene as the top window electrode. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 37-40	7.1	5
6	Graphene as Transparent Electrodes for Solar Cells <b>2015</b> , 249-280		3
5	All-Inkjet-Printed Graphene-Gated Organic Electrochemical Transistors on Polymeric Foil as Highly Sensitive Enzymatic Biosensors. <i>ACS Applied Nano Materials</i> ,	5.6	3
4	Molecular Precursor Route to Bournonite (CuPbSbS) Thin Films and Powders. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 13691-13698	5.1	3
3	Characterization Techniques of Two-Dimensional Nanomaterials <b>2019</b> , 27-41		2
2	Ultrafast carrier dynamics in graphene and graphene nanostructures. <i>Terahertz Science &amp; Technology</i> , <b>2020</b> , 13, 135-148	0.3	
1	Inherent Resistivity of Graphene to Strong THz Fields. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 623-625	0.2	