

Khaled Parvez

List of Publications by Year in Descending Order

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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	Molecular Precursor Route to Bournonite (CuPbSbS) Thin Films and Powders. <i>Inorganic Chemistry</i> , 2021 , 60, 13691-13698	5.1	3
50	Inkjet-printed graphene Hall mobility measurements and low-frequency noise characterization. <i>Nanoscale</i> , 2020 , 12, 6708-6716	7.7	8
49	Raman Fingerprints of Graphene Produced by Anodic Electrochemical Exfoliation. <i>Nano Letters</i> , 2020 , 20, 3411-3419	11.5	25
48	Ultrafast carrier dynamics in graphene and graphene nanostructures. <i>Terahertz Science & Technology</i> , 2020 , 13, 135-148	0.3	
47	Printed graphene/WS ₂ battery-free wireless photosensor on papers. <i>2D Materials</i> , 2020 , 7, 024004	5.9	30
46	Simultaneous electrochemical-assisted exfoliation and in situ surface functionalization towards large-scale production of few-layer graphene. <i>FlatChem</i> , 2019 , 18, 100132	5.1	14
45	Two-Dimensional Nanomaterials: Crystal Structure and Synthesis 2019 , 1-25		10
44	Characterization Techniques of Two-Dimensional Nanomaterials 2019 , 27-41		2
43	Water-based and inkjet printable inks made by electrochemically exfoliated graphene. <i>Carbon</i> , 2019 , 149, 213-221	10.4	52
42	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> , 2018 , 6, 4899-4908	8.3	16
41	Inkjet printed 2D-crystal based strain gauges on paper. <i>Carbon</i> , 2018 , 129, 462-467	10.4	70
40	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. <i>Nature Nanotechnology</i> , 2017 , 12, 343-350	28.7	335
39	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> , 2017 , 139, 4506-4512	16.4	248
38	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> , 2017 , 29, 1602960	24	149
37	Tuning the work function of GaN with organic molecular acceptors. <i>Physical Review B</i> , 2016 , 93,	3.3	32
36	One-step electrochemical synthesis of nitrogen and sulfur co-doped, high-quality graphene oxide. <i>Chemical Communications</i> , 2016 , 52, 5714-7	5.8	47
35	Alternating Stacked Graphene-Conducting Polymer Compact Films with Ultrahigh Areal and Volumetric Capacitances for High-Energy Micro-Supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 4054-61	24	249

34	Thermodynamic picture of ultrafast charge transport in graphene. <i>Nature Communications</i> , 2015 , 6, 7655-7661	17.4	100
33	Bioapplication of graphene oxide derivatives: drug/gene delivery, imaging, polymeric modification, toxicology, therapeutics and challenges. <i>RSC Advances</i> , 2015 , 5, 42141-42161	3.7	142
32	Graphene flakes at the SiO ₂ /organic-semiconductor interface for high-mobility field-effect transistors. <i>Organic Electronics</i> , 2015 , 27, 221-226	3.5	8
31	Organic Radical-Assisted Electrochemical Exfoliation for the Scalable Production of High-Quality Graphene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13927-32	16.4	239
30	Tuning the Electronic Structure of Graphene by Molecular Dopants: Impact of the Substrate. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19134-44	9.5	27
29	Exfoliation of graphene via wet chemical routes. <i>Synthetic Metals</i> , 2015 , 210, 123-132	3.6	100
28	Transparent conductive electrodes from graphene/PEDOT:PSS hybrid inks for ultrathin organic photodetectors. <i>Advanced Materials</i> , 2015 , 27, 669-75	24	215
27	High-performance deformable photoswitches with p-doped graphene as the top window electrode. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 37-40	7.1	5
26	Graphene as Transparent Electrodes for Solar Cells 2015 , 249-280		3
25	Ultrathin Printable Graphene Supercapacitors with AC Line-Filtering Performance. <i>Advanced Materials</i> , 2015 , 27, 3669-75	24	197
24	Magnetoresistance and charge transport in graphene governed by nitrogen dopants. <i>ACS Nano</i> , 2015 , 9, 1360-6	16.7	46
23	Inherent Resistivity of Graphene to Strong THz Fields. <i>Springer Proceedings in Physics</i> , 2015 , 623-625	0.2	
22	Nitrogen-Doped Carbon Nanosheets with Size-Defined Mesopores as Highly Efficient Metal-Free Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2014 , 126, 1596-1600	3.6	208
21	Exfoliation of graphite into graphene in aqueous solutions of inorganic salts. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6083-91	16.4	968
20	Layer-by-layer assembled heteroatom-doped graphene films with ultrahigh volumetric capacitance and rate capability for micro-supercapacitors. <i>Advanced Materials</i> , 2014 , 26, 4552-8	24	260
19	High-performance electrocatalysts for oxygen reduction derived from cobalt porphyrin-based conjugated mesoporous polymers. <i>Advanced Materials</i> , 2014 , 26, 1450-5	24	378
18	Photolithographic fabrication of high-performance all-solid-state graphene-based planar micro-supercapacitors with different interdigital fingers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8288-93	13	142
17	Tuning the Work Function of Graphene-on-Quartz with a High Weight Molecular Acceptor. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4784-4790	3.8	42

16	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> , 2014 , 53, 1570-4	16.4	428
15	Assembly and fiber formation of a gemini-type hexathienocoronene amphiphile for electrical conduction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13531-7	16.4	74
14	Graphene-based in-plane micro-supercapacitors with high power and energy densities. <i>Nature Communications</i> , 2013 , 4, 2487	17.4	948
13	Electrochemically exfoliated graphene as solution-processable, highly conductive electrodes for organic electronics. <i>ACS Nano</i> , 2013 , 7, 3598-606	16.7	440
12	Bioinspired wafer-scale production of highly stretchable carbon films for transparent conductive electrodes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5535-8	16.4	108
11	Bioinspired Wafer-Scale Production of Highly Stretchable Carbon Films for Transparent Conductive Electrodes. <i>Angewandte Chemie</i> , 2013 , 125, 5645-5648	3.6	37
10	Atomically precise edge chlorination of nanographenes and its application in graphene nanoribbons. <i>Nature Communications</i> , 2013 , 4, 2646	17.4	156
9	Nitrogen-doped graphene and its iron-based composite as efficient electrocatalysts for oxygen reduction reaction. <i>ACS Nano</i> , 2012 , 6, 9541-50	16.7	578
8	3D nitrogen-doped graphene aerogel-supported Fe ₃ O ₄ nanoparticles as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9082-5	16.4	1833
7	Synthesis of acetyl imidazolium-based electrolytes and application for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2011 , 57, 285-289	6.7	7
6	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> , 2011 , 95, 318-322	6.4	23
5	Oxygen ion-beam irradiation of TiO ₂ films reduces oxygen vacancies and improves performance of dye-sensitized solar cells. <i>Journal of Materials Research</i> , 2011 , 26, 1012-1017	2.5	6
4	Comparative study of plasma and ion-beam treatment to reduce the oxygen vacancies in TiO ₂ and recombination reactions in dye-sensitized solar cells. <i>Chemical Physics Letters</i> , 2010 , 495, 69-72	2.5	20
3	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> , 2009 , 483, 124-127	2.5	219
2	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> , 2009 , 54, 6306-6311	6.7	21
1	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