

Khurram Shehzad

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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.

59 papers	1,746 citations	21 h-index	41 g-index
66 ext. papers	2,078 ext. citations	9.4 avg, IF	4.55 L-index

#	Paper	IF	Citations
59	Three-dimensional macro-structures of two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2016 , 45, 5541-5588	58.5	231
58	Black phosphorus ink formulation for inkjet printing of optoelectronics and photonics. <i>Nature Communications</i> , 2017 , 8, 278	17.4	225
57	A self-powered high-performance graphene/silicon ultraviolet photodetector with ultra-shallow junction: breaking the limit of silicon?. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	144
56	Mechanical properties of nickel-graphene composites synthesized by electrochemical deposition. <i>Nanotechnology</i> , 2015 , 26, 065706	3.4	91
55	Effects of carbon nanotubes aspect ratio on the qualitative and quantitative aspects of frequency response of electrical conductivity and dielectric permittivity in the carbon nanotube/polymer composites. <i>Carbon</i> , 2013 , 54, 105-112	10.4	89
54	Complementary percolation characteristics of carbon fillers based electrically percolative thermoplastic elastomer composites. <i>Composites Science and Technology</i> , 2011 , 72, 28-35	8.6	77
53	A Broadband Fluorographene Photodetector. <i>Advanced Materials</i> , 2017 , 29, 1700463	24	72
52	High-temperature thermoelectric properties of La and Fe co-doped $\text{Ca}_{1-x}\text{Co}_x\text{O}$ misfit-layered cobaltites consolidated by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 277-283	5.7	69
51	Facile Synthesis of In_2Se_3 Nanoflowers toward High Performance Self-Powered Broadband $\text{In}_2\text{Se}_3/\text{Si}$ Heterojunction Photodiode. <i>Small</i> , 2017 , 13, 1604033	11	56
50	Graphene Hybrid Structures for Integrated and Flexible Optoelectronics. <i>Advanced Materials</i> , 2020 , 32, e1902039	24	53
49	Solvent-Based Soft-Patterning of Graphene Lateral Heterostructures for Broadband High-Speed Metal/Semiconductor/Metal Photodetectors. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600241	6.8	43
48	All-organic PANI/DBSA/PVDF dielectric composites with unique electrical properties. <i>Journal of Materials Science</i> , 2013 , 48, 3737-3744	4.3	40
47	Designing an Efficient Multimode Environmental Sensor Based on Graphene/Silicon Heterojunction. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600262	6.8	38
46	High Capacity Retention Anode Material for Lithium Ion Battery. <i>Electrochimica Acta</i> , 2016 , 211, 156-163	36.7	34
45	Room-temperature valleytronic transistor. <i>Nature Nanotechnology</i> , 2020 , 15, 743-749	28.7	33
44	Influence of carbon nanotube dimensions on the percolation characteristics of carbon nanotube/polymer composites. <i>Journal of Applied Physics</i> , 2014 , 116, 064908	2.5	28
43	2D Heterostructures for Ubiquitous Electronics and Optoelectronics: Principles, Opportunities, and Challenges.. <i>Chemical Reviews</i> , 2022 ,	68.1	28

42	Large, Linear, and Tunable Positive Magnetoresistance of Mechanically Stable Graphene Foam-Toward High-Performance Magnetic Field Sensors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1891-1898	9.5	24
41	Two percolation thresholds and remarkably high dielectric permittivity in pristine carbon nanotube/elastomer composites. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 969-974	3.3	24
40	The effect of aspect ratio on the piezoresistive behavior of the multiwalled carbon nanotubes/thermoplastic elastomer nanocomposites. <i>Journal of Applied Physics</i> , 2013 , 113, 014102	2.5	23
39	Defect-induced, temperature-independent, tunable magnetoresistance of partially fluorinated graphene foam. <i>Carbon</i> , 2019 , 143, 179-188	10.4	23
38	Flexible Dielectric Nanocomposites with Ultrawide Zero-Temperature Coefficient Windows for Electrical Energy Storage and Conversion under Extreme Conditions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7591-7600	9.5	19
37	On Refining the Relationship between Aspect Ratio and Percolation Threshold of Practical Carbon Nanotubes/Polymer Nanocomposites. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 080214	1.4	17
36	High-performance, flexible graphene/ultra-thin silicon ultra-violet image sensor 2017 ,		15
35	Flexible, Low Cost, and Platinum-Free Counter Electrode for Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25353-60	9.5	15
34	Effect of the carbon nanotube size dispersity on the electrical properties and pressure sensing of the polymer composites. <i>Journal of Materials Science</i> , 2016 , 51, 11014-11020	4.3	15
33	Approaching the Collection Limit in Hot Electron Transistors with Ambipolar Hot Carrier Transport. <i>ACS Nano</i> , 2019 , 13, 14191-14197	16.7	15
32	Non-magnetic thin films for magnetic field position sensor. <i>Sensors and Actuators A: Physical</i> , 2017 , 254, 89-94	3.9	14
31	All-Two-Dimensional-Material Hot Electron Transistor. <i>IEEE Electron Device Letters</i> , 2018 , 39, 634-637	4.4	14
30	On Refining the Relationship between Aspect Ratio and Percolation Threshold of Practical Carbon Nanotubes/Polymer Nanocomposites. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 080214	1.4	14
29	Polyaniline/silver decorated-MWCNT composites with enhanced electrical and thermal properties. <i>Polymer Composites</i> , 2018 , 39, E1346-E1353	3	13
28	Piezoresistive Behavior of Electrically Conductive Carbon Fillers/Thermoplastic Elastomer Nanocomposites. <i>Journal of Advanced Physics</i> , 2013 , 2, 70-74		13
27	A high performance broadband photodetector based on (SnxSb1-x)2Se3 nanorods with enhanced electrical conductivity. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11078-11085	7.1	13
26	In situ synthesis of copper nanoparticles on SBA-16 silica spheres. <i>Arabian Journal of Chemistry</i> , 2016 , 9, 537-541	5.9	12
25	Porous SnO nanoparticles based ion chromatographic determination of non-fluorescent antibiotic (chloramphenicol) in complex samples. <i>Scientific Reports</i> , 2018 , 8, 12327	4.9	12

24	Large magnetotransport properties in mixed-dimensional van der Waals heterostructures of graphene foam. <i>Carbon</i> , 2020 , 159, 648-655	10.4	11
23	Cathodic titania nanotube arrays as anode material for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017 , 52, 4323-4332	4.3	7
22	Ferromagnetic (Ni) nanoparticles/CuTi-1223 superconductor composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 403, 60-67	2.8	7
21	Micron-Scale Photodetectors Based on One-Dimensional Single-Crystalline Sb ₂ S ₃ Microrods: Simultaneously Improving Responsivity and Extending Spectral Response Region. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 810-816	3.8	7
20	Formation of self-ordered porous anodized alumina template for growing tungsten trioxide nanowires. <i>International Nano Letters</i> , 2015 , 5, 37-41	5.7	6
19	Light-induced negative differential resistance in gate-controlled graphene-silicon photodiode. <i>Applied Physics Letters</i> , 2018 , 112, 201109	3.4	6
18	Developing imprinted polymer nanoparticles for the selective separation of antidiabetic drugs. <i>Journal of Separation Science</i> , 2015 , 38, 3469-76	3.4	5
17	Near-field radiative heat transfer between black phosphorus and graphene sheet. <i>Materials Research Express</i> , 2019 , 6, 025906	1.7	5
16	Dielectric properties of oxygen post-annealed Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₃ (Cu ₄ W ₁ Cd _y)O ₁₂ bulk superconductor. <i>Ceramics International</i> , 2013 , 39, 9591-9598	5.1	4
15	Structurally modified poly(vinyl alcohol) ionic composites as efficient humidity indicators. <i>Polymer Composites</i> , 2012 , 33, 1018-1024	3	4
14	Synthesis and antibacterial potential of hybrid nanocomposites based on polyortho-chloroaniline/copper nanofiller. <i>Polymer Composites</i> , 2018 , 39, 4524-4531	3	4
13	Tailoring electrical and thermal properties of polymethyl methacrylate-carbon nanotubes composites through polyaniline and dodecyl benzene sulphonic acid impregnation. <i>Polymer Composites</i> , 2018 , 39, E1052-E1059	3	3
12	Suppression of 3D mobility of carrier and superconductivity by Y ³⁺ substitution in Cu _{0.5} Tl _{0.5} Ba ₂ (Ca ₂ Y _x)Cu ₃ O ₁₀ samples. <i>Ceramics International</i> , 2014 , 40, 4187-4191	5.1	3
11	Photodetectors: Solvent-Based Soft-Patterning of Graphene Lateral Heterostructures for Broadband High-Speed Metal-Semiconductor-Metal Photodetectors (Adv. Mater. Technol. 2/2017). <i>Advanced Materials Technologies</i> , 2017 , 2,	6.8	2
10	Synthesis of antibacterial poly(o-chloroaniline)/chromium hybrid composites with enhanced electrical conductivity. <i>Chemistry Central Journal</i> , 2018 , 12, 46		2
9	Highly efficient catalytic degradation of low-density polyethylene Using a novel tungstophosphoric acid/kaolin clay composite catalyst. <i>Turkish Journal of Chemistry</i> , 2018 , 42,	1	2
8	Molybdenum disulfide grafted titania nanotube arrays as high capacity retention anode material for lithium ion batteries. <i>Applied Nanoscience (Switzerland)</i> , 2017 , 7, 67-73	3.3	2
7	Modification of Diamond Particles for Improved Dispersion in Liquid Phase. <i>Asian Journal of Chemistry</i> , 2013 , 25, 9840-9844	0.4	2

6	Photodetectors: A Broadband Fluorographene Photodetector (Adv. Mater. 22/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1
5	Rapid assay of the comparative degradation of acetaminophen in binary and ternary combinations. <i>Arabian Journal of Chemistry</i> , 2014 , 7, 522-524	5.9	1
4	Fabrication of Ag and Ni Nanocatalyst with Enhanced Efficiency. <i>Journal of Chemistry</i> , 2015 , 2015, 1-4	2.3	1
3	Polymerization kinetics of bicyclic olefins and mechanism with symmetrical ansa-metallocene catalysts associated with active center count: relationship between their activities and structure and activation path. <i>RSC Advances</i> , 2022 , 12, 15284-15295	3.7	0
2	Surface Reforming of Diamond Particles by the Dispersion Enhancement in Common Liquids. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 97-103		
1	Synthesis of SBA-16 Supported Catalyst for CNTs and Dispersion Study of CNTs in Polypyrrole Composite. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1752, 95-100		