

# Faryal Idrees

## 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.

49 papers	4,252 citations	27 h-index	53 g-index
53 ext. papers	4,856 ext. citations	5 avg, IF	5.62 L-index

#	Paper	IF	Citations
49	Photoelectrochemical properties for metal oxide/carbon hybrid materials <b>2022</b> , 75-102		
48	Two dimensional graphitic carbon nitride Nanosheets as prospective material for photocatalytic degradation of nitrogen oxides. <i>Diamond and Related Materials</i> , <b>2021</b> , 108650	3.5	1
47	The chemical precipitation synthesis of nanorose-shaped Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> with highly visible light photocatalytic performance. <i>Materials Letters</i> , <b>2019</b> , 252, 106-109	3.3	10
46	Ultrathin-Layer Structure of BiOI Microspheres Decorated on N-Doped Biochar With Efficient Photocatalytic Activity. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 378	5	15
45	BiOI/nitrogen-doped hierarchical carbon (NHC) composites with tremella-like structure for high photocatalytic performance. <i>Chemosphere</i> , <b>2019</b> , 229, 426-433	8.4	22
44	In-Situ Synthesis of Nb <sub>2</sub> O <sub>5</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterostructures as Highly Efficient Photocatalysts for Molecular H <sub>2</sub> Evolution under Solar Illumination. <i>Catalysts</i> , <b>2019</b> , 9, 169	4	21
43	Nitrogen-Doped Carbon Nanosheets Decorated With MnO Nanoparticles for Excellent Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 741	5	5
42	Recent Advancements in Microwave-Assisted Synthesis of NiO Nanostructures and their Supercapacitor Properties: A Comprehensive Review. <i>Current Nanomaterials</i> , <b>2018</b> , 3, 5-17	1.3	3
41	Electrocatalytic oxygen evolution reaction for energy conversion and storage: A comprehensive review. <i>Nano Energy</i> , <b>2017</b> , 37, 136-157	17.1	860
40	Micro and nano hierarchical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. <i>Scientific Reports</i> , <b>2017</b> , 7, 11665	4.9	42
39	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. <i>Journal of Power Sources</i> , <b>2017</b> , 371, 148-155	8.9	73
38	Template-free synthesis of highly ordered 3D-hollow hierarchical Nb <sub>2</sub> O <sub>5</sub> superstructures as an asymmetric supercapacitor by using inorganic electrolyte. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 332-338	6.7	40
37	Solid waste for energy storage material as electrode of supercapacitors. <i>Materials Letters</i> , <b>2016</b> , 181, 191-195	3.3	8
36	A co-sol-emulsion-gel synthesis of tunable and uniform hollow carbon nanospheres with interconnected mesoporous shells. <i>Nanoscale</i> , <b>2016</b> , 8, 451-7	7.7	70
35	One Dimensional Graphitic Carbon Nitrides as Effective Metal-Free Oxygen Reduction Catalysts. <i>Scientific Reports</i> , <b>2015</b> , 5, 12389	4.9	70
34	Novel Zn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> hierarchical nanostructures: Optical and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 9359-9364	6.7	21
33	Fabrication of ZnV <sub>2</sub> O <sub>6</sub> nanostructures: Their energy storage and PL properties. <i>Materials Letters</i> , <b>2015</b> , 155, 15-17	3.3	23

32	Hierarchical porous nitrogen-doped carbon nanosheets derived from silk for ultrahigh-capacity battery anodes and supercapacitors. <i>ACS Nano</i> , <b>2015</b> , 9, 2556-64	16.7	1164
31	Fabrication of V <sub>2</sub> O <sub>5</sub> super long nanobelts: optical, in situ electrical and field emission properties. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 5197-5202	3.6	27
30	Bifunctional catalysts of Co <sub>3</sub> O <sub>4</sub> @GCN tubular nanostructured (TNS) hybrids for oxygen and hydrogen evolution reactions. <i>Nano Research</i> , <b>2015</b> , 8, 3725-3736	10	86
29	A novel Z-scheme WO <sub>3</sub> /CdWO <sub>4</sub> photocatalyst with enhanced visible-light photocatalytic activity for the degradation of organic pollutants. <i>RSC Advances</i> , <b>2015</b> , 5, 6019-6026	3.7	89
28	Synthesis of CuS flowers exhibiting versatile photo-catalyst response. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1459-1468	3.6	66
27	A facile one-step fabrication of novel WO <sub>3</sub> /Fe <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> ·0.7H <sub>2</sub> O porous microplates with remarkable photocatalytic activities. <i>CrystEngComm</i> , <b>2015</b> , 17, 4809-4817	3.3	14
26	Microwave assisted synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanosheets as electrode material for advanced flexible supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 33146-33154	3.7	52
25	Novel Nano-Flowers of Nb <sub>2</sub> O <sub>5</sub> by Template Free Synthesis and Enhanced Photocatalytic Response Under Visible Light. <i>Science of Advanced Materials</i> , <b>2015</b> , 7, 1298-1303	2.3	16
24	From rice bran to high energy density supercapacitors: a new route to control porous structure of 3D carbon. <i>Scientific Reports</i> , <b>2014</b> , 4, 7260	4.9	101
23	Synthesis, evolution and hydrogen storage properties of ZnV <sub>2</sub> O <sub>4</sub> glomerulus nano/microspheres: A prospective material for energy storage. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 7842-7851	6.7	49
22	Effect of the morphology of CuS upon the photocatalytic degradation of organic dyes. <i>RSC Advances</i> , <b>2014</b> , 4, 63447-63456	3.7	47
21	The synergistic effect between WO <sub>3</sub> and g-C <sub>3</sub> N <sub>4</sub> towards efficient visible-light-driven photocatalytic performance. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5462-5469	3.6	60
20	Synthesis of three-dimensional WO <sub>3</sub> octahedra: characterization, optical and efficient photocatalytic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 37914-37920	3.7	32
19	Large scale production of novel g-C <sub>3</sub> N <sub>4</sub> micro strings with high surface area and versatile photodegradation ability. <i>CrystEngComm</i> , <b>2014</b> , 16, 1825	3.3	82
18	Synthesis of mid-infrared SnSe nanowires and their optoelectronic properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 3470	3.3	55
17	Synthesis of novel ZnV <sub>2</sub> O <sub>4</sub> spinel oxide nanosheets and their hydrogen storage properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 894-899	3.3	37
16	Synthesis of novel ZnV <sub>2</sub> O <sub>4</sub> hierarchical nanospheres and their applications as electrochemical supercapacitor and hydrogen storage material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13635-41	9.5	118
15	Synthesis of novel hollow microflowers (NHMF) of Nb <sub>3</sub> O <sub>7</sub> F, their optical and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 13174-13179	6.7	21

14	Multifunctional g-C(3)N(4) nanofibers: a template-free fabrication and enhanced optical, electrochemical, and photocatalyst properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1258-65	9.5	300
13	Wide range photodetector based on catalyst free grown indium selenide microwires. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9550-6	9.5	14
12	Template free synthesis of CuS nanosheet-based hierarchical microspheres: an efficient natural light driven photocatalyst. <i>CrystEngComm</i> , <b>2014</b> , 16, 5290	3.3	117
11	Metal-catalyzed synthesis of ultralong tin dioxide nanobelts: Electrical and optical properties with oxygen vacancy-related orange emission. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 26, 388-394	4.3	8
10	Thermochemically evolved nanoplatelets of bismuth selenide with enhanced thermoelectric figure of merit. <i>AIP Advances</i> , <b>2014</b> , 4, 117129	1.5	11
9	VLS and VS effect on ferromagnetic behaviour of SnO <sub>2</sub> nanobelts. <i>Journal of Experimental Nanoscience</i> , <b>2014</b> , 9, 17-26	1.9	6
8	Facile Synthesis of CuS Nanostructures: Structural, Optical and Photocatalytic Properties. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 2694-2701	2.3	13
7	Tubular graphitic-C <sub>3</sub> N <sub>4</sub> : a prospective material for energy storage and green photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13949	13	211
6	Facile synthesis of novel Nb <sub>3</sub> O <sub>7</sub> F nanoflowers, their optical and photocatalytic properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 8146	3.3	34
5	Effect of synthesis technique on electrochemical performance of bismuth selenide. <i>Journal of Power Sources</i> , <b>2013</b> , 229, 216-222	8.9	47
4	Electrical and optical properties of single zigzag SnO <sub>2</sub> nanobelts. <i>CrystEngComm</i> , <b>2013</b> , 15, 2106	3.3	29
3	Electronic, elastic, acoustic and optical properties of cubic TiO <sub>2</sub> : A DFT approach. <i>Physica B: Condensed Matter</i> , <b>2013</b> , 420, 74-80	2.8	14
2	Synthesis of highly pure single crystalline SnSe nanostructures by thermal evaporation and condensation route. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 137, 565-570	4.4	34
1	Elastic, electronic and optical properties of cotunnite TiO <sub>2</sub> from first principles calculations. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 4495-4501	2.8	11