

# Khalid Hussain Thebo

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,058  
citations

236612

25  
h-index

288905

40  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly stable graphene-oxide-based membranes with superior permeability. Nature Communications, 2018, 9, 1486.	5.8	428
2	Controlling reduction degree of graphene oxide membranes for improved water permeance. Science Bulletin, 2018, 63, 788-794.	4.3	131
3	CdPS <sub>3</sub> nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. Science, 2020, 370, 596-600.	6.0	120
4	Reduced graphene oxide/metal oxide nanoparticles composite membranes for highly efficient molecular separation. Journal of Materials Science and Technology, 2018, 34, 1481-1486.	5.6	79
5	Ultrafast ionic and molecular sieving through graphene oxide based composite membranes. Desalination, 2021, 500, 114848.	4.0	74
6	Influence of Mn-doping on the photocatalytic and solar cell efficiency of CuO nanowires. Inorganic Chemistry Communication, 2017, 76, 71-76.	1.8	73
7	Graphene-based membranes for CO <sub>2</sub> separation. Materials Science for Energy Technologies, 2019, 2, 83-88.	1.0	72
8	Significant photocatalytic degradation and electricity generation in the photocatalytic fuel cell (PFC) using novel anodic nanocomposite of Fe, graphene oxide, and titanium phosphate. Electrochimica Acta, 2018, 271, 41-48.	2.6	71
9	Concentrations, pollution indices and health risk assessment of heavy metals in road dust from two urbanized cities of Pakistan: Comparing two sampling methods for heavy metals concentration. Sustainable Cities and Society, 2020, 53, 101959.	5.1	70
10	A comprehensive review on synthesis of pristine and doped inorganic room temperature stable mayenite electride, [Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub> ] <sup>4+</sup> (e <sup>-</sup> ) <sub>4</sub> and its applications as a catalyst. Progress in Solid State Chemistry, 2019, 54, 1-19.	3.9	63
11	Two-dimensional graphene oxide based membranes for ionic and molecular separation: Current status and challenges. Journal of Environmental Chemical Engineering, 2021, 9, 105605.	3.3	63
12	CVD grown defect rich-MWCNTs with anchored CoFe alloy nanoparticles for OER activity. Materials Letters, 2020, 259, 126831.	1.3	58
13	Photocatalytic degradation of organic pollutant with nanosized cadmium sulfide. Materials Science for Energy Technologies, 2019, 2, 41-45.	1.0	57
14	Laminar Graphene Oxide Membranes Towards Selective Ionic and Molecular Separations: Challenges and Progress. Chemical Record, 2020, 20, 344-354.	2.9	57
15	Functionalized graphene oxide based membranes for ultrafast molecular separation. Separation and Purification Technology, 2021, 274, 117969.	3.9	55
16	Recent Advances in MXene-based Separation Membranes. ChemBioEng Reviews, 2021, 8, 110-120.	2.6	50
17	Synthesis and characterization of transition metals doped CuO nanostructure and their application in hybrid bulk heterojunction solar cells. SN Applied Sciences, 2019, 1, 1.	1.5	42
18	Graphene-based Materials for Fighting Coronavirus Disease 2019: Challenges and Opportunities. ChemBioEng Reviews, 2021, 8, 67-77.	2.6	40

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19	Synthesis, characterization and electrochemical performance of cobalt fluoride nanoparticles by reverse micro-emulsion method. <i>Inorganic Chemistry Communication</i> , 2018, 98, 132-140.	1.8	38
20	MWCNTs and carbon onions grown by CVD method on nickel-cobalt alloy nanocomposites prepared via novel alcogel electrolysis technique and its oxygen evolution reaction application. <i>Materials Research Express</i> , 2019, 6, 105627.	0.8	37
21	Two-Dimensional Transition Metal Carbides and Nitrides (MXenes) for Water Purification and Antibacterial Applications. <i>Membranes</i> , 2021, 11, 869.	1.4	33
22	Facile synthesis of Cr doped hierarchical ZnO nano-structures for enhanced photovoltaic performance. <i>Inorganic Chemistry Communication</i> , 2020, 116, 107902.	1.8	32
23	Facile Synthesis of Mn doped Bi <sub>2</sub> S <sub>3</sub> Photocatalyst for Efficient Degradation of Organic Dye under Visible-Light Irradiation. <i>Journal of Molecular Structure</i> , 2022, 1267, 133598.	1.8	31
24	Controlled synthesis of ammonium manganese tri-fluoride nanoparticles with enhanced electrochemical performance. <i>Materials Research Express</i> , 2019, 6, 075074.	0.8	27
25	Transition Metal Dichalcogenide-based Membranes for Water Desalination, Gas Separation, and Energy Storage. <i>Separation and Purification Reviews</i> , 2023, 52, 43-57.	2.8	27
26	High yield synthesis of transition metal fluorides (CoF <sub>2</sub> , NiF <sub>2</sub> , and NH <sub>4</sub> MnF <sub>3</sub> ) nanoparticles with excellent electrochemical performance. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108751.	1.8	25
27	Recent Development in Laminar Transition Metal Dichalcogenides-Based Membranes Towards Water Desalination: A Review. <i>Chemical Record</i> , 2022, 22, .	2.9	24
28	Effect of iron oxide co-doping on structural, thermal, and electrochemical properties of samarium doped ceria solid electrolyte. <i>Materials Chemistry and Physics</i> , 2021, 267, 124576.	2.0	23
29	Facile synthesis of Zn-doped CdS nanowires with efficient photocatalytic performance. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 1783-1790.	1.2	20
30	Recent developments in carbon nanotubes-based perovskite solar cells with boosted efficiency and stability. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 1539-1572.	1.4	18
31	Nanomembranes for water treatment. , 2020, , 207-240.		17
32	Synthesis and characterization of ZnO/samarium-doped ceria nanocomposites for solid oxide fuel cell applications. <i>Ionics</i> , 2021, 27, 4849-4857.	1.2	17
33	Graphene-based composite membranes for isotope separation: challenges and opportunities. <i>Reviews in Inorganic Chemistry</i> , 2022, 42, 327-336.	1.8	13
34	Functionalised graphene oxide-based nanofiltration membranes with enhanced molecular separation performance. <i>Materials Research Innovations</i> , 2022, 26, 373-381.	1.0	12
35	Recent progress on fabrication methods of graphene-based membranes for water purification, gas separation, and energy sustainability. <i>Reviews in Inorganic Chemistry</i> , 2023, 43, 13-31.	1.8	12
36	Studies on the effects of pre-firing and sintering temperature on NSDC nanocomposite electrolytes. <i>Progress in Natural Science: Materials International</i> , 2022, 32, 128-134.	1.8	10

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37	Sustainability consolidation via employment of biomimetic ecomaterials with an accentuated photo-catalytic potential: emerging progressions. <i>Reviews in Inorganic Chemistry</i> , 2021, 41, 131-150.	1.8	9
38	Recent progress in decontamination system against chemical and biological materials: challenges and future perspectives. <i>Reviews in Inorganic Chemistry</i> , 2022, 42, 283-295.	1.8	9
39	Facile synthesis of zinc oxide nanostructures and their antibacterial and antioxidant properties. <i>International Nano Letters</i> , 2022, 12, 205-213.	2.3	8
40	Regenerated Silk Nanofibers for Robust and Cyclic Adsorption-Desorption on Anionic Dyes. <i>Langmuir</i> , 2022, 38, 6376-6386.	1.6	8
41	Antioxidant, Antimicrobial, and Photocatalytic Potential of Cobalt Fluoride (CoF <sub>2</sub> ) Nanoparticles. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	5