

Zia Ur Rehman

List of Publications by Year in descending order

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20
papers

1,010
citations

687363

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ion Gated Synaptic Transistors Based on 2D van der Waals Crystals with Tunable Diffusive Dynamics. <i>Advanced Materials</i> , 2018, 30, e1800195.	21.0	368
2	Synergistic effect of an atomically dual-metal doped catalyst for highly efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6840-6846.	10.3	113
3	In situ trapped high-density single metal atoms within graphene: Iron-containing hybrids as representatives for efficient oxygen reduction. <i>Nano Research</i> , 2018, 11, 2217-2228.	10.4	108
4	Highly Defective Fe-Based Oxyhydroxides from Electrochemical Reconstruction for Efficient Oxygen Evolution Catalysis. <i>ACS Energy Letters</i> , 2018, 3, 861-868.	17.4	92
5	Monoatomic Platinum-Anchored Metallic MoS ₂ : Correlation between Surface Dopant and Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6081-6087.	4.6	53
6	Synthesis of Ni ₉ S ₈ /MoS ₂ heterocatalyst for Enhanced Hydrogen Evolution Reaction. <i>Langmuir</i> , 2017, 33, 5148-5153.	3.5	39
7	Electron doping induced semiconductor to metal transitions in ZrSe ₂ layers via copper atomic intercalation. <i>Nano Research</i> , 2018, 11, 4914-4922.	10.4	39
8	WX ₂ (X=S, Se) Single Crystals: A Highly Stable Material for Supercapacitor Applications. <i>Electrochimica Acta</i> , 2017, 258, 71-79.	5.2	35
9	Ferromagnetism in CVT grown tungsten diselenide single crystals with nickel doping. <i>Nanotechnology</i> , 2018, 29, 115701.	2.6	31
10	Transition from Semimetal to Semiconductor in ZrTe ₂ Induced by Se Substitution. <i>ACS Nano</i> , 2020, 14, 835-841.	14.6	29
11	Magnetic Isotropy/Anisotropy in Layered Metal Phosphorous Trichalcogenide MPS ₃ (M = Mn, Fe) Single Crystals. <i>Micromachines</i> , 2018, 9, 292.	2.9	26
12	Attainable high capacity in Li-excess Li-Ni-Ru-O rock-salt cathode for lithium ion battery. <i>Journal of Power Sources</i> , 2017, 359, 270-276.	7.8	24
13	Facile synthesis of CuFe ₂ O ₄ @Fe ₂ O ₃ composite for high-performance supercapacitor electrode applications. <i>Materials Research Express</i> , 2017, 4, 105501.	1.6	22
14	PVP intercalated metallic WSe ₂ as NIR photothermal agents for efficient tumor ablation. <i>Nanotechnology</i> , 2019, 30, 065102.	2.6	10
15	Selective Selenium-Substituted Metallic MoTe ₂ toward Ternary Atomic Layers with Tunable Semiconducting Character. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24927-24933.	3.1	9
16	Angle-/temperature-dependence of Raman scattering in layered NbSe ₃ crystal. <i>AIP Advances</i> , 2017, 7, .	1.3	6
17	Band structure tailoring in ZrSe ₂ single crystal via trace rhenium intercalation. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	6
18	Optical filters for linearly polarized light using sculptured nematic thin film of TiO ₂ . <i>Materials Research Express</i> , 2018, 5, 055802.	1.6	0

#	ARTICLE	IF	CITATIONS
19	Ferromagnetic Properties of Ni ₉ S ₈ /MoS ₂ Hybrid Structure. Journal of Superconductivity and Novel Magnetism, 0, , 1.	1.8	0
20	Tailoring of bandgap and spin-orbit splitting in ZrSe ₂ with low substitution of Ti for Zr. Chinese Physics Letters, 0, , .	3.3	0