

Xiang Ding

List of Publications by Year in descending order

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papers

744
citations

516681

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all docs

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times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	Inducing High Coercivity in MoS ₂ Nanosheets by Transition Element Doping. Chemistry of Materials, 2017, 29, 9066-9074.	6.7	81
2	Competing with other polyanionic cathode materials for potassium-ion batteries <i>via</i> fine structure design: new layered KVOPO ₄ with a tailored particle morphology. Journal of Materials Chemistry A, 2019, 7, 15244-15251.	10.3	72
3	<i>In situ</i> formation of LiF decoration on a Li-rich material for long-cycle life and superb low-temperature performance. Journal of Materials Chemistry A, 2019, 7, 11513-11519.	10.3	67
4	Microstructure and Cavitation Erosion Resistance of HVOF Deposited WC-Co Coatings with Different Sized WC. Coatings, 2018, 8, 307.	2.6	46
5	<i>In situ</i> catalytic formation of graphene-like graphitic layer decoration on Na ₃ V ₂ VO ₄ ·xGa _x (PO ₄) ₃ (0 ≤ x ≤ 0.6) for ultrafast and high energy sodium storage. Journal of Materials Chemistry A, 2019, 7, 4660-4667.	10.3	43
6	From nanomelting to nanobeads: nanostructured Sb _x Bi _{1-x} alloys anchored in three-dimensional carbon frameworks as a high-performance anode for potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 27041-27047.	10.3	43
7	High Coercivity and Magnetization in WSe ₂ by Codoping Co and Nb. Small, 2020, 16, e1903173.	10.0	43
8	Enhanced ferromagnetism in WS ₂ via defect engineering. Journal of Alloys and Compounds, 2019, 772, 740-744.	5.5	41
9	Structure and cavitation erosion behavior of HVOF sprayed multi-dimensional WC-10Co4Cr coating. Transactions of Nonferrous Metals Society of China, 2018, 28, 487-494.	4.2	33
10	Deposition and cavitation erosion behavior of multimodal WC-10Co4Cr coatings sprayed by HVOF. Surface and Coatings Technology, 2020, 392, 125757.	4.8	33
11	Slurry erosion behaviour and mechanism of HVOF sprayed micro-nano structured WC-CoCr coatings in NaCl medium. Tribology International, 2020, 148, 106315.	5.9	28
12	Influence of WC size and HVOF process on erosion wear performance of WC-10Co4Cr coatings. International Journal of Advanced Manufacturing Technology, 2018, 96, 1615-1624.	3.0	27
13	Clustering-induced high magnetization in Co-doped TiO ₂ . Emergent Materials, 2019, 2, 295-301.	5.7	25
14	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped In ₂ O ₃ -Diluted Magnetic Semiconductors. ACS Applied Materials & Interfaces, 2018, 10, 22372-22380.	8.0	23
15	Microstructure and performance of multi-dimensional WC-CoCr coating sprayed by HVOF. International Journal of Advanced Manufacturing Technology, 2018, 96, 1625-1633.	3.0	22
16	Colossal Magnetization and Giant Coercivity in Ion-Implanted (Nb and Co) MoS ₂ Crystals. ACS Applied Materials & Interfaces, 2020, 12, 58140-58148.	8.0	22
17	Structure of Micro-nano WC-10Co4Cr Coating and Cavitation Erosion Resistance in NaCl Solution. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 1239-1247.	3.7	20
18	Defects Engineering Induced Ultrahigh Magnetization in Rare Earth Element Nd-doped MoS ₂ . Advanced Quantum Technologies, 2021, 4, 2000093.	3.9	19

#	ARTICLE	IF	CITATIONS
19	A comparative study on nanocrystalline layered and crystalline cubic $\text{TiP}_{27}\text{O}_{77}$ for rechargeable Li/Na/K alkali metal batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15230-15236.	10.3	16
20	Effect of WC Grain Size and Abrasive Type on the Wear Performance of HVOF-Sprayed WC-20Cr3C2-7Ni Coatings. <i>Coatings</i> , 2020, 10, 660.	2.6	14
21	Shape and Orientation Controlled Hydrothermal Synthesis of Silicide and Metal Dichalcogenide on a Silicon Substrate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18850-18858.	8.0	10
22	Confinement-Induced Giant Spin-Orbit-Coupled Magnetic Moment of Co Nanoclusters in TiO_2 Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43781-43788.	8.0	8
23	Biomimetic mitochondrial nanostructures boost the battery performance. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2015-2023.	4.9	4
24	Introducing a cell moisturizer: organogel nano-beads with rapid response to electrolytes for Prussian white analogue based non-aqueous potassium ion battery. <i>Chemical Communications</i> , 2020, 56, 9719-9722.	4.1	4