

Mohammed

List of Publications by Year in descending order

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17
papers

406
citations

759233

12
h-index

888059

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17
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17
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17
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible NIR-transparent perovskite solar cells for all-thin-film tandem photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13639-13647.	10.3	68
2	Why perovskite solar cells with high efficiency show small IV-curve hysteresis. <i>Solar Energy Materials and Solar Cells</i> , 2017, 169, 159-166.	6.2	54
3	A transparent, solvent-free laminated top electrode for perovskite solar cells. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 260-266.	6.1	44
4	Towards industrialization of perovskite solar cells using slot die coating. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6124-6135.	5.5	44
5	Design of hard coatings deposited by HiPIMS and dcMS. <i>Materials Letters</i> , 2020, 280, 128540.	2.6	41
6	Titanium nitride, TiXN(1 [~] X), coatings deposited by HiPIMS for corrosion resistance and wear protection properties. <i>Applied Surface Science</i> , 2022, 574, 151635.	6.1	31
7	The effect of magnetic field configuration on structural and mechanical properties of TiN coatings deposited by HiPIMS and dcMS. <i>Surface and Coatings Technology</i> , 2020, 404, 126572.	4.8	23
8	Magnetron sputtered titanium carbide-based coatings: A review of science and technology. <i>Vacuum</i> , 2022, 197, 110853.	3.5	21
9	Ternary semitransparent organic solar cells with a laminated top electrode. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 68-75.	6.1	19
10	Cyanine tandem and triple-junction solar cells. <i>Organic Electronics</i> , 2016, 30, 191-199.	2.6	15
11	Insights into photovoltaic properties of ternary organic solar cells from phase diagrams. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 669-682.	6.1	13
12	Effect of doping on the phase stability and photophysical properties of CsPbI ₂ Br perovskite thin films. <i>RSC Advances</i> , 2021, 11, 1440-1449.	3.6	12
13	Emerging opportunities for 2D-black phosphorus as a carrier transporting material in perovskite solar cells. <i>Materials Letters</i> , 2020, 276, 128234.	2.6	6
14	Comparative Study on the Influence of Reactive Gas Flow Rate on the Growth and Properties of P-doped TiAlN Coatings Prepared by DcMS and HiPIMS. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022, 8, .	2.6	6
15	Influence of Annealing Temperature on the Microstructure and Hardness of TiN Coatings Deposited by High-Power Impulse Magnetron Sputtering. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 5593-5601.	2.5	4
16	Effect of 6-Aminohexanoic Acid Released from Its Aluminum Tri-Polyphosphate Intercalate (ATP-6-AHA) on the Corrosion Protection Mechanism of Steel in 3.5% Sodium Chloride Solution. <i>Corrosion and Materials Degradation</i> , 2021, 2, 666-677.	2.4	3
17	Phosphorus Containing Coatings: Technologies and Applications. <i>ChemistrySelect</i> , 2020, 5, 6570-6584.	1.5	2