

Roshan Jesus Mathew

List of Publications by Year in descending order

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14
papers

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1039880

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14
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	High photosensitivity and broad spectral response of multi-layered germanium sulfide transistors. <i>Nanoscale</i> , 2016, 8, 2284-2292.	2.8	129
2	Tin disulfide piezoelectric nanogenerators for biomechanical energy harvesting and intelligent human-robot interface applications. <i>Nano Energy</i> , 2020, 75, 104879.	8.2	40
3	A Bi-Anti-Ambipolar Field Effect Transistor. <i>ACS Nano</i> , 2021, 15, 8686-8693.	7.3	30
4	Sn-Doping Enhanced Ultrahigh Mobility In _{1-x} Sn _x Se Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24269-24278.	4.0	17
5	One-pot fabrication and characterization of graphene/PMMA composite flexible films. <i>Materials Research Bulletin</i> , 2018, 105, 133-141.	2.7	15
6	Stoichiometry-Controlled Mo _x W _{1-x} Te ₂ Nanowhiskers: A Novel Electrocatalyst for Pt-Free Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34815-34824.	4.0	15
7	Phase-Engineered Weyl Semi-Metallic Mo _x W _{1-x} Te ₂ Nanosheets as a Highly Efficient Electrocatalyst for Dye-Sensitized Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800314.	3.1	14
8	Modulating Charge Separation with Hexagonal Boron Nitride Mediation in Vertical Van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26213-26221.	4.0	14
9	Ultra-high performance flexible piezopotential gated In _x Sn _x Se phototransistor. <i>Nanoscale</i> , 2018, 10, 18642-18650.	2.8	13
10	High unsaturated room-temperature magnetoresistance in phase-engineered Mo _x W _{1-x} Te ₂ ultrathin films. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10996-11004.	2.7	9
11	Near-Infrared Electroluminescent Light-Emitting Transistors Based on CVD-Synthesized Ambipolar ReSe ₂ Nanosheets. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	3
12	PMMA-based Stimuli-responsive Flexible Thin-films. <i>Chemistry Letters</i> , 2013, 42, 1360-1362.	0.7	1
13	Curcumin Labeled PMMA Halochromic Smart Flexible Films. <i>Materials Focus</i> , 2016, 5, 177-181.	0.4	1
14	Doping Engineered InSe Flakes for High Mobility Phototransistor. , 2020, , .		1