

Bethany X Rutherford

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9168248/publications.pdf>

Version: 2024-02-01

11
papers

173
citations

1307594
7
h-index

1281871
11
g-index

11
all docs

11
docs citations

11
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Defects and Power Dissipation on Ferroelectric Memristive Switching. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	10
2	Tunable Three-Phase $\text{Co} \text{--} \text{CeO}_2 \text{--} \text{BaTiO}_3$ Hybrid Metamaterials with Nano-Mushroom-Like Structure for Tailorable Multifunctionalities. <i>ACS Applied Nano Materials</i> , 2022, 5, 6297-6304.	5.0	7
3	$\text{TiN} \text{--} \text{Fe}$ Vertically Aligned Nanocomposites Integrated on Silicon as a Multifunctional Platform toward Device Applications. <i>Crystals</i> , 2022, 12, 849.	2.2	3
4	Nitride-Oxide-Metal Heterostructure with Self-Assembled Core-Shell Nanopillar Arrays: Effect of Ordering on Magneto-Optical Properties. <i>Small</i> , 2021, 17, e2007222.	10.0	25
5	Tailorable multifunctionalities in ultrathin 2D Bi-based layered supercell structures. <i>Nanoscale</i> , 2021, 13, 16672-16679.	5.6	5
6	Strain Effects on the Growth of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ (LSMO)- NiO Nanocomposite Thin Films via Substrate Control. <i>ACS Omega</i> , 2020, 5, 23793-23798.	3.5	5
7	Au-Encapsulated Fe Nanorods in Oxide Matrix with Tunable Magneto-Optic Coupling Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51827-51836.	8.0	16
8	Metal-Free Oxide-Nitride Heterostructure as a Tunable Hyperbolic Metamaterial Platform. <i>Nano Letters</i> , 2020, 20, 6614-6622.	9.1	38
9	Tunable, room-temperature multiferroic Fe-BaTiO_3 vertically aligned nanocomposites with perpendicular magnetic anisotropy. <i>Materials Today Nano</i> , 2020, 11, 100083.	4.6	19
10	Strain-driven nanodumbbell structure and enhanced physical properties in hybrid vertically aligned nanocomposite thin films. <i>Applied Materials Today</i> , 2019, 16, 204-212.	4.3	30
11	Tuning magnetic anisotropy in $\text{Co} \text{--} \text{BaZrO}_3$ vertically aligned nanocomposites for memory device integration. <i>Nanoscale Advances</i> , 2019, 1, 4450-4458.	4.6	15