

Dhanapal Pravarthana

List of Publications by Year in descending order

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all docs

28
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28
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1067
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly sensitive and selective H ₂ S gas sensor based on TiO ₂ thin films. Applied Surface Science, 2021, 549, 149281.	6.1	68
2	Crystal Orientations Dependent Polarization Reversal in Ferroelectric PbZr _{0.2} Ti _{0.8} O ₃ Thin Films for Multilevel Data Storage Applications. Advanced Materials Interfaces, 2021, 8, 2100871.	3.7	3
3	Manipulation of Exchange Bias Effect via All-Solid-State Li^+ -Ion Redox Capacitor with Antiferromagnetic Electrode. Physical Review Applied, 2020, 14, .	3.8	16
4	A Wearable Capacitive Sensor Based on Ring/Disk-Shaped Electrode and Porous Dielectric for Noncontact Healthcare Monitoring. Global Challenges, 2020, 4, 1900079.	3.6	29
5	Stress-coefficient of magnetoelastic anisotropy in flexible Fe, Co and Ni thin films. Journal of Magnetism and Magnetic Materials, 2020, 505, 166750.	2.3	8
6	Stretchable tactile sensor with high sensitivity and dynamic stability based on vertically aligned urchin-shaped nanoparticles. Materials Today Physics, 2020, 14, 100219.	6.0	20
7	Metastable monoclinic [110] layered perovskite Dy ₂ Ti ₂ O ₇ thin films for ferroelectric applications. RSC Advances, 2019, 9, 19895-19904.	3.6	7
8	Reversibly controlled magnetic domains of Co film via electric field driven oxygen migration at nanoscale. Applied Physics Letters, 2019, 114, . Reversible Control of Magnetic Anisotropy and Magnetization in Amorphous $\text{Co}_{40}\text{Fe}_{60}$ Thin Films via All-Solid-State Li^+ Ion Redox Capacitor with Antiferromagnetic Electrode. Physical Review Applied, 2019, 12, .	3.3	11
9	Intrinsically Stretchable Resistive Switching Memory Enabled by Combining a Liquid Metal-Based Soft Electrode and a Metal-Organic Framework Insulator. Advanced Electronic Materials, 2019, 5, 1800655.	5.1	53
10	Elastic Conductors: A Composite Elastic Conductor with High Dynamic Stability Based on 3D-Calabash Bunch Conductive Network Structure for Wearable Devices (Adv. Electron. Mater. 9/2018). Advanced Electronic Materials, 2018, 4, 1870045.	5.1	0
11	Spin-valve-like magnetoresistance in a Ni-Mn-In thin film. Physical Review B, 2018, 97, .	3.2	4
12	A Composite Elastic Conductor with High Dynamic Stability Based on 3D-Calabash Bunch Conductive Network Structure for Wearable Devices. Advanced Electronic Materials, 2018, 4, 1800137.	5.1	57
13	2D Magnetic Mesocrystals for Bit Patterned Media. Advanced Materials Interfaces, 2018, 5, 1800997.	3.7	12
14	Pulsed laser deposition of Sr ₂ FeMoO ₆ thin films grown on spark plasma sintered Sr ₂ MgWO ₆ substrates. Journal Physics D: Applied Physics, 2017, 50, 235301.	2.8	12
15	High-throughput investigation of orientations effect on nanoscale magnetization reversal in cobalt ferrite thin films induced by electric field. Applied Physics Letters, 2017, 111, 162401.	3.3	9
16	Growth of Ca ₂ MnO ₄ Ruddlesden-Popper structured thin films using combinatorial substrate epitaxy. Journal of Applied Physics, 2014, 116, .	2.5	12
17	BiFeO ₃ /La _{0.7} Sr _{0.3} MnO ₃ heterostructures deposited on spark plasma sintered LaAlO ₃ substrates. Applied Physics Letters, 2014, 104, 082914.	3.3	18

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19	Off-Stoichiometric Nickel Cobaltite Nanoparticles: Thermal Stability, Magnetization, and Neutron Diffraction Studies. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16246-16254.	3.1	30
20	Enhanced thermoelectric performance in spark plasma textured bulk <i>n</i> -type BiTe _{2.7} Se _{0.3} and <i>p</i> -type Bi _{0.5} Sb _{1.5} Te ₃ . <i>Applied Physics Letters</i> , 2013, 102, .	3.3	49
21	Structure and magnetism of epitaxial PrVO ₃ films. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 492201.	1.8	19
22	Growth and texture of spark plasma sintered Al ₂ O ₃ ceramics: A combined analysis of X-rays and electron back scatter diffraction. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	21
23	High-throughput synthesis of thermoelectric Ca ₃ Co ₄ O ₉ films. <i>Applied Physics Letters</i> , 2013, 103, 143123.	3.3	18
24	Photocatalytic Degradation of Azo Dyes Using Au:TiO ₂ , γ -Fe ₂ O ₃ :TiO ₂ Functional Nanosystems. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 928-936.	0.9	14
25	One-Pot Synthesis of Highly Monodispersed Ferrite Nanocrystals: Surface Characterization and Magnetic Properties. <i>Langmuir</i> , 2011, 27, 13189-13197.	3.5	52