

Giovanni Vinai

List of Publications by Year in descending order

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52
papers

817
citations

567281

15
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526287

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53
docs citations

53
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal to insulator transition at the surface of V ₂ O ₃ thin films: An in-situ view. Applied Surface Science, 2022, 574, 151608.	6.1	9
2	Integration of epitaxial La ₂ /3Sr ₁ /3MnO ₃ thin films on silicon-on-sapphire substrate for MEMS applications. Applied Surface Science, 2022, 579, 152095.	6.1	5
3	Evidence of magnetism-induced topological protection in the axion insulator candidate EuSn ₂ P ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	12
4	Electronic Properties of Fully Strained La _{1-x} Sr _x MnO ₃ Thin Films Grown by Molecular Beam Epitaxy (0.15 ≤ x ≤ 0.45). ACS Omega, 2022, 7, 14571-14578.	3.5	6
5	Evidence of a thermally-induced microstructural anisotropy in Gr/Co/Ir(111) systems. Applied Surface Science, 2021, 535, 146365.	6.1	1
6	Tuning the magnetic properties of V ₂ O ₃ /CoFeB heterostructures across the		
7	Evidence of Robust Half-Metallicity in Strained Manganite Films. Journal of Physical Chemistry C, 2021, 125, 14430-14437.	3.1	5
8	Stabilization of an Enantiopure Sub μ monolayer of Helicene Radical Cations on a Au(111) Surface through Noncovalent Interactions. Angewandte Chemie, 2021, 133, 15404-15408.	2.0	1
9	Stabilization of an Enantiopure Sub μ monolayer of Helicene Radical Cations on a Au(111) Surface through Noncovalent Interactions. Angewandte Chemie - International Edition, 2021, 60, 15276-15280.	13.8	11
10	ZnO Thin Films Growth Optimization for Piezoelectric Application. Sensors, 2021, 21, 6114.	3.8	7
11	Magnetoelectric Coupling at the Ni/Hf _{0.5} Zr _{0.5} O ₂ Interface. ACS Nano, 2021, 15, 14891-14902.	14.6	11
12	Defect Engineering for Tuning the Photoresponse of Ceria-Based Solid Oxide Photoelectrochemical Cells. ACS Applied Materials & Interfaces, 2021, 13, 541-551.	8.0	13
13	Identification of hidden orbital contributions in the valence band. Physical Review Materials, 2021, 5, .	2.4	0.65
14	Planar triangular magnet S ₃ AgCrSe ₂ : Magnetic frustration, short range correlations, and field-tuned anisotropic cycloidal magnetic order. Physical Review B, 2021, 104, .	3.2	13
15	Strong-coupling charge density wave in monolayer TiSe ₂ . 2D Materials, 2021, 8, 015004.	4.4	9
16	Thermal assisted tailoring of magnetic coercivity in Iron thin films on unstable Lithium Niobate substrate. Journal of Magnetism and Magnetic Materials, 2020, 515, 167257.	2.3	4
17	Improved Structural Properties in Homogeneously Doped Sm _{0.4} Ce _{0.6} O _{2-δ} Epitaxial Thin Films: High Doping Effect on the Electronic Bands. ACS Applied Materials & Interfaces, 2020, 12, 47556-47563.	8.0	5
18	Molecular Beam Epitaxy of Two-Dimensional Vanadium-Molybdenum Diselenide Alloys. ACS Nano, 2020, 14, 11140-11149.	14.6	28

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19	An integrated ultra-high vacuum apparatus for growth and <i>in situ</i> characterization of complex materials. Review of Scientific Instruments, 2020, 91, 085109.	1.3	17
20	Proximity-induced ferromagnetism and chemical reactivity in few-layer VSe_2 heterostructures. Physical Review B, 2020, 101, .	3.2	25
21	Original design of a patterned multiferroic heterostructure for electrical control of the magnetic shape anisotropy. Journal of Magnetism and Magnetic Materials, 2020, 507, 166816.	2.3	4
22	Interplay between morphology and magnetoelectric coupling in Fe/PMN-PT multiferroic heterostructures studied by microscopy techniques. Physical Review Materials, 2020, 4, .	2.4	7
23	Magnetic Transition in Monolayer VSe_2 via Interface Hybridization. ACS Nano, 2019, 13, 8997-9004.	14.6	94
24	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. Advanced Materials, 2019, 31, e1901185.	21.0	129
25	Reversible Modification of Ferromagnetism through Electrically Controlled Morphology. Advanced Electronic Materials, 2019, 5, 1900150.	5.1	15
26	Magnetic properties of the CoO/Fe(001) system with a bottom-up engineered interface. Journal of Magnetism and Magnetic Materials, 2019, 475, 54-59.	2.3	3
27	Insights into the electronic structure of OsO ₂ using soft and hard x-ray photoelectron spectroscopy in combination with density functional theory. Physical Review Materials, 2019, 3, .	2.4	9
28	Ferroelectric Control of the Spin Texture in GeTe. Nano Letters, 2018, 18, 2751-2758.	9.1	114
29	Study of equilibrium carrier transfer in LaAlO ₃ /SrTiO ₃ from an epitaxial La _{1-x} Sr _x MnO ₃ ferromagnetic layer. Journal of Physics Communications, 2018, 2, 025010.	1.2	4
30	Giant magneto-electric coupling in 100 nm thick Co capped by ZnO nanorods. Nanoscale, 2018, 10, 1326-1336.	5.6	11
31	Bonding Character and Magnetism at the Interface Between Fe and MoS ₂ Nanosheets. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800015.	1.8	4
32	Strain-induced magnetization control in an oxide multiferroic heterostructure. Physical Review B, 2018, 97, .	3.2	26
33	The reversible spin texture of ferroelectric GeTe for a tunable source of spin currents. , 2018, , .		0
34	Room temperature biaxial magnetic anisotropy in La _{0.67} Sr _{0.33} MnO ₃ thin films on SrTiO ₃ buffered MgO (001) substrates for spintronic applications. Applied Physics Letters, 2018, 113, .	3.3	16
35	Interdiffusion-driven synthesis of tetragonal chromium (III) oxide on BaTiO ₃ . Physical Review Materials, 2018, 2, .	2.4	8
36	Spectroscopic identification of the chemical interplay between defects and dopants in Al-doped ZnO. Physical Chemistry Chemical Physics, 2017, 19, 29364-29371.	2.8	16

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37	Quantifying the critical thickness of electron hybridization in spintronics materials. Nature Communications, 2017, 8, 16051.	12.8	26
38	Enhanced Magnetic Hybridization of a Spinterface through Insertion of a Two-Dimensional Magnetic Oxide Layer. Nano Letters, 2017, 17, 7440-7446.	9.1	17
39	Influence of Mn diffusion on IrMn thickness threshold for the onset of exchange bias in IrMn/Co bilayers. Journal of Physics: Conference Series, 2017, 903, 012061.	0.4	4
40	Magnetic anisotropy at the buried CoO/Fe interface. Applied Physics Letters, 2016, 109, .	3.3	9
41	Magnetic gas sensing exploiting the magneto-optical Kerr effect on ZnO nanorods/Co layer system. RSC Advances, 2016, 6, 42517-42521.	3.6	17
42	New strategy for magnetic gas sensing. RSC Advances, 2016, 6, 83399-83405.	3.6	13
43	Unraveling the magnetic properties of BiFe _{0.5} Cr _{0.5} O ₃ thin films. APL Materials, 2015, 3, 116107.	5.1	15
44	Magnetoresistance of galfenol-based magnetic tunnel junction. AIP Advances, 2015, 5, 127128.	1.3	1
45	IrMn microstructural effects on exchange bias variability in patterned arrays of IrMn/Co square dots. Journal Physics D: Applied Physics, 2014, 47, 195302.	2.8	3
46	Large exchange bias enhancement in (Pt(or Pd)/Co)/IrMn/Co trilayers with ultrathin IrMn thanks to interfacial Cu dusting. Applied Physics Letters, 2014, 104, .	3.3	16
47	Focused Kerr measurements on patterned arrays of exchange biased square dots. EPJ Web of Conferences, 2014, 75, 05003.	0.3	0
48	Magnetic properties of patterned arrays of exchange-biased IrMn/Co square dots. Journal Physics D: Applied Physics, 2013, 46, 345308.	2.8	3
49	Enhanced blocking temperature in (Pt/Co) ₃ /IrMn/Co and (Pd/Co) ₃ /IrMn/Co trilayers with ultrathin IrMn layer. Journal Physics D: Applied Physics, 2013, 46, 322001.	2.8	7
50	Large Exchange Bias Field in (Pt/Co) ₃ /IrMn/Co Trilayers With Ultrathin IrMn Layers. IEEE Magnetics Letters, 2012, 3, 4000204-4000204.	1.1	17
51	Two-Bit-Per-Dot Patterned Media for Magnetic Storage. IEEE Magnetics Letters, 2011, 2, 4500104-4500104.	1.1	3
52	Two-bit-per-dot patterned media combining in-plane and perpendicular-to-plane magnetized thin films. Journal of Applied Physics, 2011, 109, .	2.5	15