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List of Publications by Year in descending order

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50
papers

1,284
citations

430874

18
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361022

35
g-index

50
all docs

50
docs citations

50
times ranked

2092
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic domain wall pinning in cobalt ferrite microstructures. Applied Surface Science, 2022, , 154045.	6.1	6
2	Influence of chemical and electronic inhomogeneities of graphene/copper on the growth of oxide thin films: the ZnO/graphene/copper case. Nanotechnology, 2021, 32, 245301.	2.6	1
3	Growth and characterization of ZnO thin films at low temperatures: from room temperature to $\sim 120^\circ\text{C}$. Journal of Alloys and Compounds, 2021, 884, 161056.	5.5	9
4	In-situ study of the carbon gasification reaction of highly oriented pyrolytic graphite promoted by cobalt oxides and the novel nanostructures appeared after reaction. Carbon, 2020, 158, 588-597.	10.3	3
5	Controlled ultra-thin oxidation of graphite promoted by cobalt oxides: Influence of the initial 2D CoO wetting layer. Applied Surface Science, 2020, 509, 145118.	6.1	8
6	Re-Oxidation of ZnO Clusters Grown on HOPG. Coatings, 2020, 10, 401.	2.6	4
7	TiO ₂ and Co multilayer thin films via DC magnetron sputtering at room temperature: Interface properties. Materials Characterization, 2020, 163, 110293.	4.4	7
8	Tuning the Néel temperature in an antiferromagnet: the case of Ni _x Co _{1-x} O microstructures. Scientific Reports, 2019, 9, 13584.	3.3	15
9	Highly oriented (111) CoO and Co ₃ O ₄ thin films grown by ion beam sputtering. Journal of Alloys and Compounds, 2019, 810, 151912.	5.5	28
10	Epitaxial integration of CoFe ₂ O ₄ thin films on Si (001) surfaces using TiN buffer layers. Applied Surface Science, 2018, 436, 1067-1074.	6.1	15
11	Geometrically defined spin structures in ultrathin Fe ₃ O ₄ with bulk like magnetic properties. Nanoscale, 2018, 10, 5566-5573.	5.6	21
12	Structure and magnetism of ultrathin nickel-iron oxides grown on Ru(0001) by high-temperature oxygen-assisted molecular beam epitaxy. Scientific Reports, 2018, 8, 17980.	3.3	27
13	Cross sections of X-ray production induced by C and Si ions with energies up to 1 MeV/u on Ti, Fe, Zn, Nb, Ru and Ta. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 167-172.	1.4	14
14	Fourfold in-plane magnetic anisotropy of magnetite thin films grown on TiN buffered Si(001) by ion-assisted sputtering. Journal of Materials Chemistry C, 2016, 4, 7632-7639.	5.5	7
15	Role of the substrate on the magnetic anisotropy of magnetite thin films grown by ion-assisted deposition. Applied Surface Science, 2015, 359, 742-748.	6.1	11
16	Nanocrystalline magnetite thin films grown by dual ion-beam sputtering. Journal of Alloys and Compounds, 2015, 636, 150-155.	5.5	6
17	Self-organized single crystal mixed magnetite/cobalt ferrite films grown by infrared pulsed-laser deposition. Applied Surface Science, 2015, 359, 480-485.	6.1	11
18	Effects of low energy ion bombardment on the formation of cubic iron mononitride thin films. Thin Solid Films, 2013, 539, 35-40.	1.8	9

#	ARTICLE	IF	CITATIONS
19	Photoinduced Pockels effect in the Nd-doped ZnO oriented nanofilms. Applied Physics B: Lasers and Optics, 2013, 110, 419-423.	2.2	27
20	Preparation of hydrosol suspensions of elemental and core-shell nanoparticles by co-deposition with water vapour from the gas-phase in ultra-high vacuum conditions. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	33
21	XPS study of silver, nickel and bimetallic silver-nickel nanoparticles prepared by seed-mediated growth. Applied Surface Science, 2012, 258, 8807-8813.	6.1	456
22	Magnetic antidot arrays on alumina nanoporous membranes: Rutherford backscattering and magnetic characterization. Surface and Interface Analysis, 2011, 43, 1417-1422.	1.8	5
23	Mössbauer spectroscopic study of iron-nickel nitrides thin films prepared by ion beam assisted deposition. Hyperfine Interactions, 2011, 202, 47-55.	0.5	0
24	Structural, Optical and Electrical Properties of ZnO Sprayed Thin Films Doped with Fluorine. Advanced Materials Research, 2011, 324, 253-256.	0.3	3
25	Ordered magnetic nanohole and antidot arrays prepared through replication from anodic alumina templates. Journal of Magnetism and Magnetic Materials, 2008, 320, 1978-1983.	2.3	33
26	Coercive field behavior of permalloy antidot arrays based on self-assembled template fabrication. Journal of Magnetism and Magnetic Materials, 2008, 320, e235-e238.	2.3	27
27	Ferromagnetic resonance and magnetization in permalloy films with nanostructured antidot arrays of variable size. Journal of Magnetism and Magnetic Materials, 2008, 320, e257-e260.	2.3	8
28	Characterization of Nanocrystalline Permalloy Thin Films Obtained by Nitrogen IBAD. IEEE Transactions on Magnetics, 2008, 44, 3913-3916.	2.1	11
29	Structural and magnetic properties of Co _x Si _{1-x} thin films and multilayers. Journal of Physics Condensed Matter, 2007, 19, 486003.	1.8	2
30	Hard BCxNy thin films grown by dual ion beam sputtering. Thin Solid Films, 2006, 515, 207-211.	1.8	45
31	Magnetisation dynamics of Fe nanoclusters exchange-coupled to magnetic substrates. Physica Status Solidi A, 2004, 201, 3285-3292.	1.7	0
32	Building high-performance magnetic materials out of gas-phase nanoclusters. Applied Surface Science, 2004, 226, 249-260.	6.1	19
33	Static and dynamic magnetic behaviour of iron nanoclusters on magnetic substrates. Journal of Physics Condensed Matter, 2003, 15, 4287-4299.	1.8	5
34	Control and reduction of post-metal etch corrosion effects due to airborne molecular contamination. , 2001, , .		3
35	Corrective actions for stainless-steel-particle-related burn-in failures. , 2000, , .		2
36	Correlation between bonding structure and mechanical properties of amorphous carbon nitride thin films. Surface and Coatings Technology, 2000, 125, 284-288.	4.8	13

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37	Determination of resputtering yields in carbon nitride films grown by dual ion beam sputtering. Surface and Coatings Technology, 2000, 125, 366-370.	4.8	1
38	Dynamics of surface magnetization on a nanosecond time scale. Physical Review B, 2000, 61, R9221-R9224.	3.2	21
39	Magnetic linear dichroism in Gd 4f and 4d photoemission of magnetic interfaces. Journal of Physics Condensed Matter, 1999, 11, 3431-3442.	1.8	0
40	Surface magnetometry with photoemission dichroism: Ultrathin epitaxial Fe-Co bcc alloys on Fe(100). Physical Review B, 1999, 59, 4201-4206.	3.2	18
41	Tribological and chemical characterization of ion beam-deposited CN _x films. Vacuum, 1999, 52, 199-202.	3.5	13
42	Electronic structure and chemical characterization of ultrathin insulating films. Thin Solid Films, 1998, 332, 209-214.	1.8	16
43	Electronic structure of acetylene on Si(111)-7×7: X-ray photoelectron and x-ray absorption spectroscopy. Physical Review B, 1998, 57, 6738-6748.	3.2	46
44	Time-resolved surface magnetometry in the nanosecond scale using synchrotron radiation. Journal of Applied Physics, 1998, 83, 1563-1568.	2.5	21
45	The electronic structure of TiN and VN: X-ray and electron spectra compared to band structure calculations. Solid State Communications, 1997, 102, 291-296.	1.9	38
46	SiCN alloys deposited by electron cyclotron resonance plasma chemical vapor deposition. Applied Physics Letters, 1996, 69, 773-775.	3.3	103
47	Characterization of carbon nitride thin films prepared by dual ion beam sputtering. Applied Physics Letters, 1996, 69, 764-766.	3.3	41
48	Zr-BN multilayers obtained by ion-assisted sputtering: an FT-IR, GAXRD and AES depth profiling characterization. Surface and Coatings Technology, 1996, 84, 392-397.	4.8	1
49	Origin of the surface metallization in single-domain K/Si(100)-2×1. Physical Review B, 1996, 54, R14277-R14280.	3.2	10
50	Electronic structure of insulating zirconium nitride. Physical Review B, 1993, 47, 1613-1615.	3.2	61