

Dominique Berling

List of Publications by Year in descending order

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52
papers

724
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docs citations

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times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	Co $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle\langle\text{mml:mrow /}\rangle\langle\text{mml:mn}\rangle^2\langle\text{mml:mn}\rangle\langle\text{mml:msub}\rangle\langle\text{mml:math}\rangle$ FeAl thin films grown on MgO substrates: Correlation between static, dynamic, and structural properties. Physical Review B, 2013, 87, .	3.2	116
2	Growth and magnetic anisotropy of Fe films deposited on Si(111) using an ultrathin iron silicide template. Physical Review B, 2005, 71, .	3.2	51
3	Origin of the magnetic anisotropy in ferromagnetic layers deposited at oblique incidence. Europhysics Letters, 2006, 75, 119-125.	2.0	51
4	Deep ultraviolet laser direct write for patterning sol-gel InGaZnO semiconducting micro/nanowires and improving field-effect mobility. Scientific Reports, 2015, 5, 10490.	3.3	42
5	Accurate measurement of the in-plane magnetic anisotropy energy function in ultrathin films by magneto-optics. Journal of Magnetism and Magnetic Materials, 2006, 297, 118-140.	2.3	30
6	Magnetic anisotropy of epitaxial Fe layers grown on Si(001). Journal of Magnetism and Magnetic Materials, 2001, 237, 191-205.	2.3	29
7	Morphology and composition of Au catalysts on Ge(111) obtained by thermal dewetting. Physical Review B, 2011, 84, .	3.2	27
8	Chemical and structural investigation of zinc-oxo cluster photoresists for DUV lithography. Journal of Materials Chemistry C, 2017, 5, 2611-2619.	5.5	24
9	Highly efficient modified lead oxide electrode using a spin coating/electrodeposition mode on titanium for electrochemical treatment of pharmaceutical pollutant. Chemosphere, 2019, 221, 356-365.	8.2	22
10	Room-temperature ferromagnetism in single crystal Fe _{1.7} Ge thin films of high thermal stability grown on Ge(111). Applied Physics Letters, 2008, 93, .	3.3	21
11	Epitaxial Fe-Ge thin films on Ge(111): Morphology, structure, and magnetic properties versus stoichiometry. Physical Review B, 2010, 81, .	3.2	21
12	Magnetic and structural properties of Co ₂ FeAl thin films grown on Si substrate. Journal of Magnetism and Magnetic Materials, 2015, 373, 140-143.	2.3	21
13	Epitaxial magnetic Fe layers grown on Si(001) by means of a template method. Surface Science, 2000, 454-456, 755-760.	1.9	19
14	Nanostructuring of Fe films by oblique incidence deposition on a FeSi ₂ template onto Si(111): Growth, morphology, structure and faceting. Surface Science, 2009, 603, 373-379.	1.9	18
15	Controllable Formation of Zinc Oxide Micro- and Nanostructures via DUV Direct Patterning. Advanced Materials Interfaces, 2016, 3, 1600373.	3.7	18
16	Sixth-order contribution to the cubic anisotropy in Fe(111) thin films on Si(111). Surface Science, 2004, 566-568, 278-284.	1.9	17
17	Investigation of intra- and intergranular coupling of ferroelectric-superconducting composites. Superconductor Science and Technology, 1998, 11, 1292-1299.	3.5	15
18	Near-Infrared Laser-Annealed IZO Flexible Device as a Sensitive H ₂ S Sensor at Room Temperature. ACS Applied Materials & Interfaces, 2020, 12, 24984-24991.	8.0	14

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19	Multiple phases of copoly(acrylic acid/styrene) gels. <i>Macromolecules</i> , 1993, 26, 3234-3235.	4.8	10
20	Low-field AC susceptibility in Hg-1223 polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 225, 212-217.	1.2	10
21	Magnetization reversal mechanisms in epitaxial Fe/Si(001) layers with twofold and fourfold magnetic anisotropies. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 237, 181-190.	2.3	10
22	Plasmonic Au Nanoparticle Arrays for Monitoring Photopolymerization at the Nanoscale. <i>ACS Applied Nano Materials</i> , 2021, 4, 8770-8780.	5.0	10
23	Magnetic properties in epitaxial binary iron and ternary iron-cobalt silicide thin films grown on Si(111). <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 212, 323-336.	2.3	9
24	Magnetic anisotropy versus morphology in Fe films deposited on ultrathin iron silicides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3726-3730.	0.8	9
25	Growth of ultrathin epitaxial FeCo_{1-x} alloy films on Si(001): stabilization of metastable bcc Co. <i>Surface Science</i> , 2002, 499, 210-218.	1.9	8
26	Static and dynamic magnetic properties of Co_2FeAl -based stripe arrays. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 399, 199-206.	2.3	8
27	Chitosan as a Water-Developable 193 nm Photoresist for Green Photolithography. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4508-4519.	4.4	7
28	Strain determination in ultrathin bcc Fe layers on Si(001) by x-ray diffraction. <i>Physical Review B</i> , 2002, 65, .	3.2	6
29	Evidence of a ternary $\text{Co}_{1-x}\text{Fe}_x\text{Si}_2$ phase with a CaF_2 -type structure: High-resolution transmission electron microscopy and diffraction anomalous fine structure study. <i>Applied Physics Letters</i> , 2002, 81, 2346-2348.	3.3	6
30	In-plane uniaxial magnetic anisotropy of thin Fe layers on Si(111) induced upon grazing deposition of a Si capping layer. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 746-753.	2.3	6
31	Strain state in bcc Fe films grown on Si(111). <i>Surface Science</i> , 2006, 600, 3003-3007.	1.9	6
32	Static and dynamic magnetic properties of epitaxial $\text{Fe}_{1.7}\text{Ge}$ thin films grown on Ge(111). <i>Journal of Applied Physics</i> , 2012, 111, 07D502.	2.5	6
33	Room-temperature ferromagnetism of all-epitaxial $\hat{1}^2\text{-Fe}/\text{diamond}/\hat{1}^2\text{-Fe}/\text{Ge}$ trilayers. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 256007.	1.8	6
34	Nanoscale Ferromagnetic Cobalt-Doped ZnO Structures Formed by Deep-UV Direct Patterning. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700738.	3.7	6
35	Photocrosslinking and photopatterning of magneto-optical nanocomposite sol-gel thin film under deep-UV irradiation. <i>Scientific Reports</i> , 2021, 11, 5075.	3.3	6
36	Effect of obliquely evaporated Au cap layer on the magnetic properties of thin Fe films on Si(111). <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	5

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37	Structure of clean and H-saturated epitaxial two-dimensional Er silicide on Si(111) studied by SEXAFS. <i>Surface Science</i> , 2004, 555, 94-100.	1.9	4
38	Molecular-beam epitaxy of Heusler alloy thin films epitaxially grown on Si(001). <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1043-1049.	2.3	4
39	Hafnium Oxide Nanostructured Thin Films: Electrophoretic Deposition Process and DUV Photolithography Patterning. <i>Nanomaterials</i> , 2022, 12, 2334.	4.1	4
40	AC susceptibility of HTSC in the low field limit. <i>Solid State Communications</i> , 1996, 97, 731-735.	1.9	3
41	Complex susceptibility of superconducting BiPbSrCaCuO ceramics fabricated through combined magnetic melt texturing and hot pressing. <i>Superconductor Science and Technology</i> , 1996, 9, 205-210.	3.5	3
42	Effect of electrode shape and deposition technique on electrochemical treatment of ampicillin in water. <i>Environmental Technology and Innovation</i> , 2021, 23, 101709.	6.1	3
43	A comparative study of intergranular pinning strengths in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 2737-2738.	1.2	2
44	Superconducting properties of epitaxial laser ablated thin films. <i>Solid State Communications</i> , 1996, 97, 657-661.	1.9	2
45	Reactive laser deposition of high quality YBaCuO and ErBaCuO films. <i>Applied Surface Science</i> , 1996, 96-98, 739-743.	6.1	2
46	Fe _x Ni _{100-x} nanometric films deposited by laser ablation on SiO ₂ /Si substrates. <i>Applied Surface Science</i> , 2007, 253, 6522-6526.	6.1	2
47	Deep-UV Lithography of Nanocomposite Thin Films into Magneto-optical Gratings with Submicron Periodicity. <i>ChemPhotoChem</i> , 2020, 4, 5355-5363.	3.0	2
48	Activation energies in superconducting high temperature ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995, 34, 132-137.	3.5	1
49	Epitaxy stabilised CaF ₂ -type ternary Co _{1-x} Fe _x Si ₂ silicides on Si(1 1 1): DAFS and HRTEM measurements. <i>Applied Surface Science</i> , 2002, 188, 146-150.	6.1	1
50	Interfacial properties of all-epitaxial Fe _{1-x} Ge/Ge heterostructures on Ge(111). <i>Thin Solid Films</i> , 2013, 545, 257-266.	1.8	1
51	Magnetic shape anisotropy calculations of Fe nanostructures at the Si/Fe(111) interface. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3742-3746.	2.3	0
52	Ferromagnetic resonance, transverse bias initial inverse susceptibility and torque studies of magnetic properties of Co ₂ MnSi thin films. <i>EPJ Web of Conferences</i> , 2013, 40, 18001.	0.3	0