Dominique Berling

List of Publications by Year
in descending order

52 papers	724 citations	516710 16 h-index	580821 25 g-index
52 all docs	52 docs citations	52 times ranked	905 citing authors

#	Article	IF	Citations
1	Chitosan as a Water-Developable 193 nm Photoresist for Green Photolithography. ACS Applied Polymer Materials, 2022, 4, 4508-4519.	4.4	7
2	Hafnium Oxide Nanostructured Thin Films: Electrophoretic Deposition Process and DUV Photolithography Patterning. Nanomaterials, 2022, 12, 2334.	4.1	4
3	Photocrosslinking and photopatterning of magneto-optical nanocomposite solâ€“gel thin film under deep-UV irradiation. Scientific Reports, 2021, 11, 5075.	3.3	6
4	Effect of electrode shape and deposition technique on electrochemical treatment of ampicillin in water. Environmental Technology and Innovation, 2021, 23, 101709.	6.1	3
5	Plasmonic Au Nanoparticle Arrays for Monitoring Photopolymerization at the Nanoscale. ACS Applied Nano Materials, 2021, 4, 8770-8780.	5.0	10
6	Deepâ€UV Lithography of Nanocomposite Thin Films into Magnetooptical Gratings with Submicron Periodicity. ChemPhotoChem, 2020, 4, 5355-5363.	3.0	2
7	Near-Infrared Laser-Annealed IZO Flexible Device as a Sensitive H₂S Sensor at Room Temperature. ACS Applied Materials & Interfaces, 2020, 12, 24984-24991.	8.0	14
8	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
9	Chemical and structural investigation of zinc-oxo cluster photoresists for DUV lithography. Journal of Materials Chemistry C, 2017, 5, 2611-2619.	5.5	24
10	Nanoscale Ferromagnetic Cobaltâ€Doped ZnO Structures Formed by Deepâ€UV Directâ€Patterning. Advanced Materials Interfaces, 2017, 4, 1700738.	3.7	6
11	Controllable Formation of Zinc Oxide Microâ€and Nanostructures via DUV Direct Patterning. Advanced Materials Interfaces, 2016, 3, 1600373.	3.7	18
12	Static and dynamic magnetic properties of Co2FeAl-based stripe arrays. Journal of Magnetism and Magnetic Materials, 2016, 399, 199-206.	2.3	8
13	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
14	Magnetic and structural properties of Co2FeAl thin films grown on Si substrate. Journal of Magnetism and Magnetic Materials, 2015, 373, 140-143.	2.3	21
15	Interfacial properties of all-epitaxial Feâ€“Ge/Ge heterostructures on Ge(111). Thin Solid Films, 2013, 545, 257-266.	1.8	1
16	Room-temperature ferromagnetism of all-epitaxial Î²-Feâ€“Ge/diamondâ€“Ge/Î²-Feâ€“Ge trilayers. Journal of Physics Condensed Matter, 2013, 25, 256007.	1.8	6
17	Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>FeAl thin films grown on MgO substrates: Correlation between static, dynamic, and structural properties. Physical Review B, 2013, 87, .	3.2	116
18	Ferromagnetic resonance, transverse bias initial inverse susceptibility and torque studies of magnetic properties of Co2MnSi thin films. EPJ Web of Conferences, 2013, 40, 18001.	0.3	0

#	Article	IF	Citations
19	Static and dynamic magnetic properties of epitaxial Fe1.7Ge thin films grown on Ge(111). Journal of Applied Physics, 2012, 111, 07D502.	2.5	6
20	Morphology and composition of Au catalysts on Ge(111) obtained by thermal dewetting. Physical Review B, 2011, 84, .	3.2	27
21	Epitaxial Fe-Ge thin films on Ge(111): Morphology, structure, and magnetic properties versus stoichiometry. Physical Review B, 2010, 81, .	3.2	21
22	Nanostructuring of Fe films by oblique incidence deposition on a FeSi2 template onto Si(111): Growth, morphology, structure and faceting. Surface Science, 2009, 603, 373-379.	1.9	18
23	Magnetic shape anisotropy calculations of Fe nanostructures at the Si/Fe(111) interface. Journal of Magnetism and Magnetic Materials, 2009, 321, 3742-3746.	2.3	0
24	Effect of obliquely evaporated Au cap layer on the magnetic properties of thin Fe films on Si(111). Journal of Applied Physics, 2009, 105, .	2.5	5
25	Molecular-beam epitaxy of Heusler alloy thin films epitaxially grown on Si(001). Journal of Magnetism and Magnetic Materials, 2008, 320, 1043-1049.	2.3	4
26	Room-temperature ferromagnetism in single crystal Fe1.7Ge thin films of high thermal stability grown on Ge(111). Applied Physics Letters, 2008, 93, .	3.3	21
27	FexNi100â^'x nanometric films deposited by laser ablation on SiO2/Si substrates. Applied Surface Science, 2007, 253, 6522-6526.	6.1	2
28	Strain state in bcc Fe films grown on Si(111). Surface Science, 2006, 600, 3003-3007.	1.9	6
29	Origin of the magnetic anisotropy in ferromagnetic layers deposited at oblique incidence. Europhysics Letters, 2006, 75, 119-125.	2.0	51
30	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
31	In-plane uniaxial magnetic anisotropy of thin Fe layers on Si(111) induced upon grazing deposition of a Si capping layer. Journal of Magnetism and Magnetic Materials, 2005, 293, 746-753.	2.3	6
32	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
33	Magnetic anisotropy versus morphology in Fe films deposited on ultrathin iron silicides. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3726-3730.	0.8	9
34	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
35	Structure of clean and H-saturated epitaxial two-dimensional Er silicide on Si(111) studied by SEXAFS. Surface Science, 2004, 555, 94-100.	1.9	4
36	Strain determination in ultrathin bcc Fe layers on Si(001) by x-ray diffraction. Physical Review B, 2002, 65, .	3.2	6

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37	Evidence of a ternary Co1â^'xFexSi2 phase with a CaF2-type structure: High-resolution transmission electron microscopy and diffraction anomalous fine structure study. Applied Physics Letters, 2002, 81, 2346-2348.	3.3	6
38	Growth of ultrathin epitaxial FexCo1â^'x alloy films on Si(001): stabilization of metastable bcc Co. Surface Science, 2002, 499, 210-218.	1.9	8
39	Epitaxy stabilised CaF2-type ternary Co1â^'xFexSi2 silicides on Si(1 1 1): DAFS and HRTEM measurements. Applied Surface Science, 2002, 188, 146-150.	6.1	1
40	Magnetic anisotropy of epitaxial Fe layers grown on Si(001). Journal of Magnetism and Magnetic Materials, 2001, 237, 191-205.	2.3	29
41	Magnetization reversal mechanisms in epitaxial Fe/Si(001) layers with twofold and fourfold magnetic anisotropies. Journal of Magnetism and Magnetic Materials, 2001, 237, 181-190.	2.3	10
42	Magnetic properties in epitaxial binary iron and ternary ironâ€“cobalt silicide thin films grown on Si(111). Journal of Magnetism and Magnetic Materials, 2000, 212, 323-336.	2.3	9
43	Epitaxial magnetic Fe layers grown on Si(001) by means of a template method. Surface Science, 2000, 454-456, 755-760.	1.9	19
44	Investigation of intra- and intergranular coupling of ferroelectric-superconducting composites. Superconductor Science and Technology, 1998, 11, 1292-1299.	3.5	15
45	AC susceptibility of HTSC in the low field limit. Solid State Communications, 1996, 97, 731-735.	1.9	3
46	Superconducting properties of epitaxial laser ablated thin films. Solid State Communications, 1996, 97, 657-661.	1.9	2
47	Reactive laser deposition of high quality YBaCuO and ErBaCuO films. Applied Surface Science, 1996, 96-98, 739-743.	6.1	2
48	Complex susceptibility of superconducting BiPbSrCaCuO ceramics fabricated through combined magnetic melt texturing and hot pressing. Superconductor Science and Technology, 1996, 9, 205-210.	3.5	3
49	Activation energies in superconducting high temperature ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 34, 132-137.	3.5	1
50	Low-field AC susceptibility in Hg-1223 polycrystals. Physica C: Superconductivity and Its Applications, 1994, 225, 212-217.	1.2	10
51	A comparative study of intergranular pinning strengths in high temperature superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2737-2738.	1.2	2
52	Multiple phases of copoly(acrylic acid/styrene) gels. Macromolecules, 1993, 26, 3234-3235.	4.8	10