

Francesco Buatier De Mongeot

List of Publications by Year in descending order

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164
papers

4,475
citations

87888

38
h-index

128289

60
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166
all docs

166
docs citations

166
times ranked

4278
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructuring surfaces by ion sputtering. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 8153-8175.	1.8	377
2	CO adsorption and oxidation on bimetallic Pt/Ru(0001) surfaces – a combined STM and TPD/TPR study. <i>Surface Science</i> , 1998, 411, 249-262.	1.9	236
3	X-ray Detected Magnetic Hysteresis of Thermally Evaporated Terbium Double-Decker Oriented Films. <i>Advanced Materials</i> , 2010, 22, 5488-5493.	21.0	122
4	Trace Metals in Soot and PM _{2.5} from Heavy-Fuel-Oil Combustion in a Marine Engine. <i>Environmental Science & Technology</i> , 2018, 52, 6714-6722.	10.0	112
5	Phase transition of dissociatively adsorbed oxygen on Ag(001). <i>Physical Review B</i> , 2000, 61, 213-227.	3.2	108
6	The contact mechanics of fractal surfaces. <i>Nature Materials</i> , 2003, 2, 233-236.	27.5	102
7	Uniaxial Magnetic Anisotropy in Nanostructured Co/Cu(001): From Surface Ripples to Nanowires. <i>Physical Review Letters</i> , 2003, 91, 167207.	7.8	101
8	Patterning a surface on the nanometric scale by ion sputtering. <i>Applied Physics Letters</i> , 1999, 75, 3318-3320.	3.3	100
9	Circular Dichroism in the Optical Second-Harmonic Emission of Curved Gold Metal Nanowires. <i>Physical Review Letters</i> , 2011, 107, 257401.	7.8	98
10	Re-radiation Enhancement in Polarized Surface-Enhanced Resonant Raman Scattering of Randomly Oriented Molecules on Self-Organized Gold Nanowires. <i>ACS Nano</i> , 2011, 5, 5945-5956.	14.6	94
11	Self-organized metal nanowire arrays with tunable optical anisotropy. <i>Applied Physics Letters</i> , 2008, 93, 163104.	3.3	81
12	Is Ion Sputtering Always a “Negative Homoepitaxial Deposition”? <i>Physical Review Letters</i> , 2001, 86, 838-841.	7.8	71
13	Infrared-absorbing carbonaceous tar can dominate light absorption by marine-engine exhaust. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	71
14	Isolating the Step Contribution to the Uniaxial Magnetic Anisotropy in Nanostructured Fe/Ag(001) Films. <i>Physical Review Letters</i> , 2006, 96, 057204.	7.8	69
15	Tailored second harmonic generation from self-organized metal nano-wires arrays. <i>Optics Express</i> , 2009, 17, 3603.	3.4	61
16	Ion beam erosion of amorphous materials: evolution of surface morphology. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 230, 551-554.	1.4	58
17	Thermal Deposition of Intact Tetrairon(III) Single-Molecule Magnets in High-Vacuum Conditions. <i>Small</i> , 2009, 5, 1460-1466.	10.0	58
18	Oxygen adsorption on Ag(111). <i>Surface Science</i> , 1995, 339, 291-296.	1.9	55

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19	Nanocrystal Formation and Faceting Instability in Al(110) Homoepitaxy: True Upward Adatom Diffusion at Step Edges and Island Corners. <i>Physical Review Letters</i> , 2003, 91, 016102.	7.8	55
20	O ₂ dissociation on Ag(001): the role of kink sites. <i>Chemical Physics Letters</i> , 1997, 270, 345-350.	2.6	53
21	Magnetism of TbPc ₂ SMMs on ferromagnetic electrodes used in organic spintronics. <i>Chemical Communications</i> , 2013, 49, 11506.	4.1	53
22	Anisotropic MoS ₂ Nanosheets Grown on Self-Organized Nanopatterned Substrates. <i>Advanced Materials</i> , 2017, 29, 1605785.	21.0	53
23	Adatom Ascending at Step Edges and Faceting on fcc Metal (110) Surfaces. <i>Physical Review Letters</i> , 2004, 92, 106102.	7.8	52
24	Designer Shape Anisotropy on Transition Metal Dichalcogenide Nanosheets. <i>Advanced Materials</i> , 2018, 30, 1705615.	21.0	52
25	Self-organized ion-beam synthesis of nanowires with broadband plasmonic functionality. <i>Physical Review B</i> , 2010, 81, .	3.2	51
26	SERS Enhancement and Field Confinement in Nanosensors Based on Self-Organized Gold Nanowires Produced by Ion-Beam Sputtering. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8571-8580.	3.1	51
27	Patterning polycrystalline thin films by defocused ion beam: The influence of initial morphology on the evolution of self-organized nanostructures. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	50
28	Oxygen interaction with disordered and nanostructured Ag(001) surfaces. <i>Journal of Chemical Physics</i> , 2001, 115, 3346-3355.	3.0	47
29	Energy and angle dependence of the initial sticking coefficient of O ₂ on Ag(001). <i>Surface Science</i> , 1996, 363, 68-72.	1.9	46
30	Second Harmonic Generation Circular Dichroism from Self-Ordered Hybrid Plasmonic Photonic Nanosurfaces. <i>Advanced Optical Materials</i> , 2014, 2, 208-213.	7.3	46
31	Erosive versus shadowing instabilities in the self-organized ion patterning of polycrystalline metal films. <i>Physical Review B</i> , 2008, 78, .	3.2	45
32	Hybrid Plasmonic Photonic Nanostructures: Gold Nanocrescents Over Opals. <i>Advanced Optical Materials</i> , 2013, 1, 389-396.	7.3	44
33	Tuning surface reactivity by in situ surface nanostructuring. <i>Journal of Chemical Physics</i> , 2000, 112, 6840-6843.	3.0	43
34	Ripple Rotation in Multilayer Homoepitaxy. <i>Physical Review Letters</i> , 2000, 84, 2445-2448.	7.8	42
35	Structural Depinning of Ne Monolayers on Pb at T < 6.5 K. <i>Physical Review Letters</i> , 2006, 96, 216101.	7.8	41
36	Carbon Monoxide Dissociation on Rh Nanopyramids. <i>Physical Review Letters</i> , 2006, 97, 056103.	7.8	41

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37	Sub-surface incorporation of oxygen on Ag(001) during molecular dissociation. Chemical Physics Letters, 1999, 302, 302-306.	2.6	40
38	Interaction of CO with atomically well-defined Pt Ru /Ru(0 0 0 1) surface alloys. Surface Science, 2007, 601, 4608-4619.	1.9	40
39	Uniaxial magnetic anisotropy tuned by nanoscale ripple formation: Ion-sculpting of Co/Cu(001) thin films. Applied Physics Letters, 2004, 84, 762-764.	3.3	38
40	Surface plasmon dispersion and damping on Ag(111). Physical Review B, 1995, 52, 14947-14953.	3.2	37
41	Surface nanostructuring and optical activation of lithium fluoride crystals by ion beam irradiation. Applied Physics Letters, 2006, 88, 103116.	3.3	37
42	Floryâ€“Huggins Photonic Sensors for the Optical Assessment of Molecular Diffusion Coefficients in Polymers. ACS Applied Materials & Interfaces, 2019, 11, 16872-16880.	8.0	36
43	Sticking and thermal desorption of O2 on Ag(001). Journal of Chemical Physics, 1997, 106, 711-718.	3.0	35
44	Nanostructuring by ion beam. Materials Science and Engineering C, 2003, 23, 201-209.	7.3	34
45	SERS Amplification from Self-Organized Arrays of Plasmonic Nanocrescents. ACS Applied Materials & Interfaces, 2016, 8, 6629-6638.	8.0	32
46	Self-organized broadband light trapping in thin film amorphous silicon solar cells. Nanotechnology, 2013, 24, 225201.	2.6	30
47	Critical thickness for the agglomeration of thin metal films. Physical Review B, 2009, 79, .	3.2	29
48	Nanofriction of Neon Films on Superconducting Lead. Physical Review Letters, 2010, 105, 016102.	7.8	28
49	Transparent Plasmonic Nanowire Electrodes via Selfâ€“Organised Ion Beam Nanopatterning. Small, 2013, 9, 913-919.	10.0	28
50	Plasmon hybridization engineering in self-organized anisotropic metasurfaces. Nano Research, 2018, 11, 3943-3956.	10.4	28
51	Dissociation of O2 chemisorbed on Ag (110) and Pt(111) induced by energetic Xe atoms. Chemical Physics Letters, 1997, 270, 157-162.	2.6	27
52	Tuning the magnetic anisotropy of ultrathin Feâ€“Ag(001) films from biaxial to uniaxial by ion sculpting. Applied Physics Letters, 2006, 89, 052507.	3.3	27
53	Applications of metal surfaces nanostructured by ion beam sputtering. Journal of Physics Condensed Matter, 2009, 21, 224022.	1.8	27
54	SERS amplification by ultra-dense plasmonic arrays on self-organized PDMS templates. Applied Surface Science, 2018, 446, 83-91.	6.1	27

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55	Submonolayer homoepitaxial growth on Ag(110). Surface Science, 2001, 487, 49-54.	1.9	26
56	Optically addressable single molecule magnet behaviour of vacuum-sprayed ultrathin films. Journal of Materials Chemistry, 2008, 18, 109-115.	6.7	26
57	Anisotropic Nanoscale Wrinkling in Solid-State Substrates. Advanced Materials, 2018, 30, e1801840.	21.0	26
58	Transient CO adsorption and the catalytic properties of surfaces. Physical Review B, 2001, 63, .	3.2	24
59	Self-organized plasmonic metasurfaces for all-optical modulation. Physical Review B, 2015, 91, .	3.2	24
60	Formation of channels for oxygen migration towards subsurface sites by CO oxidation and growth of the surface oxide phase on Ag(). Surface Science, 2002, 506, 213-222.	1.9	23
61	Evidence of anomalous refraction of self-assembled curved gold nanowires. Applied Physics Letters, 2012, 100, .	3.3	23
62	Self-Organized Formation of Rhomboidal Nanopyramids on fcc(110) Metal Surfaces. Physical Review Letters, 2004, 93, 256103.	7.8	22
63	Broadband light trapping in nanotextured thin film photovoltaic devices. Applied Surface Science, 2018, 446, 74-82.	6.1	22
64	Comment on "dissociative and non-dissociative sticking of O ₂ at the Ag(111) surface" by A. Raukema, D.A. Butler, F.M.A. Box and A.W. Kleyn. Surface Science, 1997, 373, 125-126.	1.9	21
65	Asymmetric transmission and anomalous refraction in metal nanowires metasurface. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	21
66	Broadband and Tunable Light Harvesting in Nanorippled MoS ₂ Ultrathin Films. ACS Applied Materials & Interfaces, 2021, 13, 13508-13516.	8.0	21
67	Temperature dependent reentrant smooth growth in Ag(001) homoepitaxy. Surface Science, 2000, 459, L487-L492.	1.9	20
68	Evidence of Plasmon Enhanced Charge Transfer in Large-Area Hybrid Au-MoS ₂ Metasurface. Advanced Optical Materials, 2020, 8, 2000653.	7.3	20
69	Self-Organized Nanorod Arrays for Large-Area Surface-Enhanced Infrared Absorption. ACS Applied Materials & Interfaces, 2020, 12, 11155-11162.	8.0	19
70	Unexpected Behavior of the Surface Composition of PtRh Alloys during Chemical Reaction. Journal of the American Chemical Society, 2005, 127, 5671-5674.	13.7	18
71	Atomic force microscopy and X-ray photoelectron spectroscopy characterization of low-energy ion sputtered mica. Surface Science, 2007, 601, 2735-2739.	1.9	18
72	Temperature-dependent orientation of self-organized nanopatterns on ion-irradiated TiO ₂ (110). Physical Review B, 2013, 88, .	3.2	18

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73	Optical properties of biaxial nanopatterned gold plasmonic nanowired grid polarizer. Optics Express, 2013, 21, 30918.	3.4	18
74	Transparent aluminium nanowire electrodes with optical and electrical anisotropic response fabricated by defocused ion beam sputtering. Applied Surface Science, 2015, 327, 444-452.	6.1	18
75	Ultra-broadband photon harvesting in large-area few-layer MoS ₂ nanostripe gratings. Nanoscale, 2020, 12, 24385-24393.	5.6	18
76	Anharmonicity of the O ₂ –Ag(001) chemisorption potential. Journal of Chemical Physics, 1997, 106, 9297-9304.	3.0	17
77	Ion sputtered surfaces as templates for carbon nanotubes alignment and deformation. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 545-550.	1.4	17
78	Ultrafast Anisotropic Exciton Dynamics in Nanopatterned MoS ₂ Sheets. ACS Photonics, 2018, 5, 3363-3371.	6.6	17
79	Smoothing of nanoscale surface ripples studied by He atom scattering. Physical Review B, 2003, 68, .	3.2	16
80	Leaky atomic traps: Upward diffusion of Au from nanoscale pits on ionic-crystal surfaces. Physical Review B, 2007, 76, .	3.2	16
81	In-plane anisotropic photoresponse in all-polymer planar microcavities. Polymer, 2016, 84, 383-390.	3.8	16
82	Formation of d-holes in the initial stages of the oxidation of Ag(001). Europhysics Letters, 2001, 53, 544-550.	2.0	15
83	Ultrahigh vacuum apparatus for quartz crystal microbalance measurements in the temperature range 4–400 K. Review of Scientific Instruments, 2005, 76, 023904.	1.3	15
84	Amplified nanopatterning by self-organized shadow mask ion lithography. Applied Physics Letters, 2010, 97, .	3.3	15
85	Tailoring resistivity anisotropy of nanorippled metal films: Electrons surfing on gold waves. Physical Review B, 2012, 86, .	3.2	15
86	In situ x-ray scattering study of Ag(110) nanostructuring by ion erosion. Physical Review B, 2002, 65, .	3.2	14
87	Interfacial dynamics of the rhomboidal pyramid pattern on ion-eroded Cu(110). Physical Review B, 2006, 73, .	3.2	14
88	Magnetocrystalline anisotropy of monatomic steps in Fe–Ag(001) nanopatterned films. Physical Review B, 2007, 75, .	3.2	14
89	Template-assisted growth of transparent plasmonic nanowire electrodes. Nanotechnology, 2016, 27, 495201.	2.6	14
90	Infrared Plasmonics via Self-Organized Anisotropic Wrinkling of Au/PDMS Nanoarrays. ACS Applied Polymer Materials, 2019, 1, 1334-1340.	4.4	14

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91	Self-Organized Nanogratings for Large-Area Surface Plasmon Polariton Excitation and Surface-Enhanced Raman Spectroscopy Sensing. ACS Applied Nano Materials, 2020, 3, 8784-8793.	5.0	14
92	Color Routing via Cross-Polarized Detuned Plasmonic Nanoantennas in Large-Area Metasurfaces. Nano Letters, 2020, 20, 4121-4128.	9.1	14
93	In situ study of the dewetting behavior of Ni-films on oxidized Si(001) by GISAXS. Surface Science, 2007, 601, 4526-4530.	1.9	13
94	Friction reduction of Ne monolayers on preplated metal surfaces. Physical Review B, 2010, 81, .	3.2	13
95	Adhesion modification of neural stem cells induced by nanoscale ripple patterns. Nanotechnology, 2016, 27, 125301.	2.6	13
96	Low-temperature static friction of N ₂ monolayers on Pb(111). Journal of Physics Condensed Matter, 2007, 19, 305013.	1.8	12
97	Kinb contribution to the magnetic anisotropy of nanostructured ultrathin Co/Cu(001)/Fe multilayers. Physical Review B, 2007, 76, .	3.2	12
98	Light scattering properties of self-organized nanostructured substrates for thin-film solar cells. Nanotechnology, 2018, 29, 355301.	2.6	12
99	Negative ion resonances of O ₂ adsorbed on Ag surfaces. Journal of Physics Condensed Matter, 2000, 12, R53-R82.	1.8	11
100	Fabrication of stable nanopatterns on metals. Applied Physics Letters, 2002, 81, 2632-2634.	3.3	11
101	Broad band light-emitting nanostructured substrates by ion beam irradiation of lithium fluoride crystals. Surface Science, 2007, 601, 2746-2749.	1.9	11
102	Focused-ion beam fabrication of nanometer orifices for leak detection. Journal of Vacuum Science & Technology B, 2009, 27, 2347.	1.3	11
103	Channeling motion of gold nanospheres on a rippled glassed surface. Nanotechnology, 2014, 25, 485302.	2.6	11
104	Self-Organized Tailoring of Faceted Glass Nanowrinkles for Organic Nanoelectronics. ACS Applied Nano Materials, 2021, 4, 1940-1950.	5.0	11
105	Dense arrays of Co nanocrystals epitaxially grown on ion-patterned Cu(110) substrates. Applied Physics Letters, 2005, 86, 141906.	3.3	10
106	Large-Area Microfluidic Sensors Based on Flat-Optics Au Nanostripe Metasurfaces. Journal of Physical Chemistry C, 2020, 124, 17183-17190.	3.1	10
107	Adsorption and desorption of O ₂ on Ag surfaces. Vacuum, 1998, 50, 445-450.	3.5	9
108	High performance portable vacuum suitcase. Review of Scientific Instruments, 2005, 76, 026108.	1.3	9

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109	Metal nanostructures assembled at semiconductor surfaces studied with high resolution scanning probes. <i>Nanotechnology</i> , 2007, 18, 044016.	2.6	9
110	GaAs nanostructuring by self-organized stencil mask ion lithography. <i>Journal of Applied Physics</i> , 2011, 110, 114321.	2.5	9
111	Tailoring broadband light trapping of GaAs and Si substrates by self-organised nanopatterning. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	9
112	Mound shape instability in multilayer Ag(001) homoepitaxy: The role of corner-crossing. <i>Europhysics Letters</i> , 2002, 58, 537-543.	2.0	8
113	Experimental Investigation of the Contact Mechanics of Rough Fractal Surfaces. <i>IEEE Transactions on Nanobioscience</i> , 2004, 3, 27-31.	3.3	8
114	Wetting process in superhydrophobic disordered surfaces. <i>Soft Matter</i> , 2010, 6, 1409.	2.7	8
115	IR-Mueller matrix ellipsometry of self-assembled nanopatterned gold grid polarizer. <i>Applied Surface Science</i> , 2017, 421, 728-737.	6.1	8
116	A supersonic molecular beam for gas-surface interaction studies with synchrotron radiation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2002, 20, 683-687.	2.1	7
117	Nanofriction of adsorbed monolayers on superconducting lead. <i>Physical Review B</i> , 2011, 84, .	3.2	7
118	A novel approach for the investigation of mesoscopic contact mechanics. <i>Thin Solid Films</i> , 2003, 428, 111-114.	1.8	6
119	Self-organised synthesis of Rh nanostructures with tunable chemical reactivity. <i>Nanoscale Research Letters</i> , 2007, 2, 251-264.	5.7	6
120	Scanning probe microscopy study of height-selected Ag/Ge(111) nanomesas driven by quantum size effects. <i>Physical Review B</i> , 2010, 81, .	3.2	6
121	Influence of TiO ₂ (110) surface roughness on growth and stability of thin organic films. <i>Journal of Chemical Physics</i> , 2016, 145, 144703.	3.0	6
122	Geometrical Engineering of Giant Optical Dichroism in Rippled MoS ₂ Nanosheets. <i>Advanced Optical Materials</i> , 2021, 9, 2001408.	7.3	6
123	Nanostructuring polymers by soft lithography templates realized via ion sputtering. <i>Nanotechnology</i> , 2005, 16, 2714-2717.	2.6	5
124	Self-Organized Nanoscale Roughness Engineering for Broadband Light Trapping in Thin Film Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 355.	2.5	5
125	Ion etching of Ag(110) studied by X-ray and STM. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 193, 590-595.	1.4	4
126	Measurement of the circular dichroism in the second harmonic optical signal produced by Au covered self ordered dielectric nanospheres. , 2013, , .		4

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127	Impact of Annealing on T_C and Structure of Titanium Thin Films. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	4
128	Wavelength-Dependent Plasmonic Photobleaching of Dye Molecules by Large-Area Au Nanostripe Arrays. ACS Applied Nano Materials, 2022, 5, 3470-3479.	5.0	4
129	A detachable semiconductor bolometer for heat pulses. Review of Scientific Instruments, 1992, 63, 3791-3792.	1.3	3
130	Temperature dependence of rippled corrugations induced on the Rh(110) surface via ion sputtering. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 555-559.	1.4	3
131	Ion sculpting: A tool for tuning magnetic anisotropy in ultrathin films. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 359-364.	1.4	3
132	Biaxial growth of pentacene on rippled silica surfaces studied by rotating grazing incidence X-ray diffraction. Journal of Crystal Growth, 2019, 519, 69-76.	1.5	3
133	Large-area flexible nanostripe electrodes featuring plasmon hybridization engineering. Nano Research, 2021, 14, 858-867.	10.4	3
134	The smoothing kinetics of Ag(110) studied by thermal energy He atom scattering. Surface Science, 2004, 566-568, 115-121.	1.9	2
135	Mueller matrix imaging of plasmonic polarizers on nanopatterned surface. Proceedings of SPIE, 2011, , .	0.8	2
136	Tailoring of the circular dichroism produced by Au covered self-ordered dielectric nanospheres. Proceedings of SPIE, 2014, , .	0.8	2
137	Omnidirectional and broadband photon harvesting in self-organized Ge columnar nanovoids. Nanotechnology, 2022, 33, 305304.	2.6	2
138	An amplifier for a fast semiconducting bolometer. Review of Scientific Instruments, 1991, 62, 3100-3101.	1.3	1
139	He diffraction study of the time decay of ripple structures on ion bombarded Ag(110). Applied Surface Science, 2003, 212-213, 344-348.	6.1	1
140	Second harmonic generation on self-assembled GaAs/Au nanowires with thickness gradient. Proceedings of SPIE, 2017, , .	0.8	1
141	Optical characterization of anisotropic MoS_2 nanosheets. , 2017, , .		1
142	Self-Organized Conductive Gratings of Au Nanostripe Dimers Enable Tunable Plasmonic Activity. Applied Sciences (Switzerland), 2020, 10, 1301.	2.5	1
143	Plasmonics in Self-Organized Media. , 2015, , 1-17.		1
144	Surface plasmon "hot spots" detected by near-field polarization spectroscopy. , 2010, , .		1

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145	Transition from Heterogeneous to Homogeneous Regime in Disordered Superhydrophobic Surfaces. E-Journal of Surface Science and Nanotechnology, 2010, 8, 275-277.	0.4	1
146	Anomalous refraction of self assembled gold nanowires studied by the generalized Snell's law. Photonics Letters of Poland, 2013, 5, .	0.4	1
147	Transmission of high-frequency ballistic phonons in superconducting In, Sn, and Pb films. Physical Review B, 1994, 49, 3600-3603.	3.2	0
148	Nuclear waste reprocessing: study of the separation of radioactive cations $^{137}\text{Cs}^{+}$ and $^{90}\text{Sr}^{2+}$ from high level activity radioactive waste (HLW) by extractants derivatives of the hydroborates $[\text{B}/\text{sub } 10/\text{H}/\text{sub } 10]/\text{sup } 2$ and $[\text{B}/\text{sub } 12/\text{H}/\text{sub } 12]/\text{sup } 2$. , 0, , .		0
149	Investigation of the mesoscopic contact mechanics of sexithienyl thin films. , 0, , .		0
150	Nanostructuring Rh(110) Surfaces by Ion Etching. Materials Research Society Symposia Proceedings, 2006, 960, 1.	0.1	0
151	Onset of magnetic anisotropy in ion-sculpted ultrathin magnetic films. Nuclear Instruments & Methods in Physics Research B, 2007, 256, 419-422.	1.4	0
152	Tailored emission properties of second harmonic generation from self-organized metal nanowires arrays. , 2009, , .		0
153	Non linear optical properties of nanostructured metallic surfaces. , 2009, , .		0
154	Nonlinear circular dichroism in self-organized metal nanowires arrays. , 2011, , .		0
155	Study of the anomalous refraction produced by self assembled gold nanowires. , 2013, , .		0
156	Second harmonic circular dichroism from Au covered polystyrene nanospheres. , 2013, , .		0
157	Tailoring of linear response from plasmonic nano-resonators grown on a polystyrene. , 2014, , .		0
158	Broadband light trapping in nanopatterned thin film amorphous silicon solar cells. , 2014, , .		0
159	Optical properties of self-assembled plasmonic hyperbolic metasurfaces and metamaterials extracted by (Mueller matrix) spectroscopic ellipsometry. , 2016, , .		0
160	Light absorption enhancement in thin film hydrogenated amorphous Si solar cells. , 2017, , .		0
161	Friction Force Microscopy Investigation of Elastic Instabilities in Nanolubricated Junctions. , 2005, , .		0
162	Plasmonics in Self-Organized Media. , 2016, , 3303-3318.		0

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163	Self-organized metasurfaces enabling plasmon hybridization. , 2019, , .		0
164	Tuning the transient opto-electronic properties of few-layer MoS2 nanosheets via substrate nano-patterning. EPJ Web of Conferences, 2020, 238, 07006.	0.3	0