

Igor V Shvets

List of Publications by Year in descending order

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76031

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104
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305
docs citations

305
times ranked

21324
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic and electronic properties of Fe ₃ O ₄ /PtSe ₂ /Fe ₃ O ₄ junctions. Materials Today: Proceedings, 2022, 49, 2469-2473.	0.9	3
2	The influence of drinking water constituents on the level of microplastic release from plastic kettles. Journal of Hazardous Materials, 2022, 425, 127997.	6.5	15
3	Surface functionalization of few-layer graphene on Si^{2+} -SiC(001) by Neutral Red dye. Applied Surface Science, 2022, 585, 152542.	3.1	4
4	An <i>In Situ</i> Study of Precursor Decomposition via Refractive Index Sensing in p-Type Transparent Copper Chromium Oxide. Chemistry of Materials, 2022, 34, 3020-3027.	3.2	1
5	The growth of high-crystalline quality Mn ₂ Au (110) thin films. Journal of Applied Physics, 2022, 132, 025301.	1.1	0
6	Imaging and identification of point defects in PtTe ₂ . Npj 2D Materials and Applications, 2021, 5, .	3.9	29
7	Surface Modification and Subsequent Fermi Density Enhancement of Bi(111). Journal of Physical Chemistry C, 2021, 125, 5549-5558.	1.5	7
8	Suppression of the metal-insulator transition in magnetron sputtered Ti ₂ O ₃ films. Thin Solid Films, 2020, 694, 137642.	0.8	8
9	NbN films on vicinal to the X-cut of LiNbO ₃ surfaces. Materials Letters, 2020, 260, 126918.	1.3	4
10	Low-Cost, High-Performance Spray Pyrolysis-Grown Amorphous Zinc Tin Oxide: The Challenge of a Complex Growth Process. ACS Applied Materials & Interfaces, 2020, 12, 46892-46899.	4.0	14
11	Electronic and structural characterisation of polycrystalline platinum disulfide thin films. RSC Advances, 2020, 10, 42001-42007.	1.7	10
12	Deformation and fracture of crystalline tungsten and fabrication of composite STM probes. Ultramicroscopy, 2020, 218, 113083.	0.8	1
13	Atomic and Electronic Structure of a Multidomain GeTe Crystal. ACS Nano, 2020, 14, 16576-16589.	7.3	15
14	Synthesis of tungsten ditelluride thin films and highly crystalline nanobelts from pre-deposited reactants. Tungsten, 2020, 2, 321-334.	2.0	11
15	Tailoring Magneto-Static Interactions Through Interwire Separation and Morphology in Planar Nanowire Arrays of Co. Materials Today: Proceedings, 2020, 21, 2053-2058.	0.9	0
16	Efficient Resistive Switching and Spike Rate Dependent Plasticity in a New CuCrO ₂ Memristor for Plausible Neuromorphic Systems. IEEE Transactions on Electron Devices, 2020, 67, 3451-3458.	1.6	10
17	Solution-Based Deposition of Transparent Eu-Doped Titanium Oxide Thin Films for Potential Security Labeling and UV Screening. Nanomaterials, 2020, 10, 1132.	1.9	9
18	Low-temperature synthesis and electrocatalytic application of large-area PtTe ₂ thin films. Nanotechnology, 2020, 31, 375601.	1.3	23

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19	Characterising and control of ammonia emission in microbial fuel cells. Chemical Engineering Journal, 2020, 389, 124462.	6.6	14
20	Oxidation of Nb(110): atomic structure of the NbO layer and its influence on further oxidation. Scientific Reports, 2020, 10, 3794.	1.6	18
21	Tuning of oxygen vacancy-induced electrical conductivity in Ti-doped hematite films and its impact on photoelectrochemical water splitting. Scientific Reports, 2020, 10, 7463.	1.6	28
22	Crystallographic Characterisation of Ultra-Thin, or Amorphous Transparent Conducting Oxides—The Case for Raman Spectroscopy. Materials, 2020, 13, 267.	1.3	9
23	Revealing electromigration on dielectrics and metals through the step-bunching instability. Physical Review B, 2020, 102, .	1.1	5
24	Importance of Local Bond Order to Conduction in Amorphous, Transparent, Conducting Oxides: The Case of Amorphous ZnSnO _x . ACS Applied Materials & Interfaces, 2019, 11, 44399-44405.	4.0	8
25	Control of binding of C60 molecules to the substrate by Coulomb blockade. Scientific Reports, 2019, 9, 16017.	1.6	3
26	Growth of ZnO:Al by atomic layer deposition: Deconvoluting the contribution of hydrogen interstitials and crystallographic texture on the conductivity. Thin Solid Films, 2019, 690, 137533.	0.8	3
27	Surface modification on MoO _{2+x} /Mo(110) induced by a local electric potential. Scientific Reports, 2019, 9, 6216.	1.6	1
28	Magnetoresistance of Nanoscale Domain Walls Formed in Arrays of Parallel Nanowires. Spin, 2019, 09, 1950004.	0.6	0
29	Plasmonic Resonance Sensitivity in Phase Transition of Ga Nanoparticle Arrays Grown by Glancing Angle Deposition Technique. Materials Science Forum, 2019, 947, 71-76.	0.3	0
30	Layer-by-Layer Graphene Growth on $\hat{1}^2$ -SiC/Si(001). ACS Nano, 2019, 13, 526-535.	7.3	14
31	Growth of 1Tâ€² MoTe ₂ by Thermally Assisted Conversion of Electrodeposited Tellurium Films. ACS Applied Energy Materials, 2019, 2, 521-530.	2.5	30
32	A photochemical approach for a fast and self-limited covalent modification of surface supported graphene with photoactive dyes. Nanotechnology, 2018, 29, 275705.	1.3	6
33	Step bunching with both directions of the current: Vicinal W(110) surfaces versus atomistic-scale model. Physical Review B, 2018, 97, .	1.1	15
34	Optical Anisotropy of SrTiO ₃ (110) for Different Surface Terminations. Physica Status Solidi (B): Basic Research, 2018, 255, 1700459.	0.7	4
35	Influence of Step-edge induced antiphase boundary density on the magnetoresistance behavior of epitaxial Fe ₃ O ₄ thin films. Integrated Ferroelectrics, 2018, 194, 43-49.	0.3	0
36	Bending stability of Cu _{0.4} CrO ₂ —A transparent p-type conducting oxide for large area flexible electronics. AIP Advances, 2018, 8, 085013.	0.6	8

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37	Magneto-optic Kerr effect in a spin-polarized zero-moment ferrimagnet. <i>Physical Review B</i> , 2018, 98, .	1.1	10
38	Reflectance anisotropy spectroscopy of $\text{Fe}_{3-x}\text{O}_{4-x}$ (110): Anisotropic strain. <i>Physical Review B</i> , 2018, 98, .	1.1	3
39	Nitrogen grain-boundary passivation of In-doped ZnO transparent conducting oxide. <i>Physical Review Materials</i> , 2018, 2, .	0.9	8
40	Increasing the refractive index of materials via nanolamination: $\text{a-IGZO}/\text{a-IGZO}$ nanolaminates. <i>Physical Review Materials</i> , 2018, 2, .	0.9	0
41	Competition Between Anti-Phase Boundaries and Charge-Orbital Ordering in Epitaxial Stepped $\text{Fe}_{3-x}\text{O}_{4-x}$ (100) Thin Films. <i>Spin</i> , 2017, 07, 1750001.	0.6	1
42	Large positive in-plane magnetoresistance induced by localized states at nanodomain boundaries in graphene. <i>Nature Communications</i> , 2017, 8, 14453.	5.8	27
43	Fabrication of self-organized precisely tunable plasmonic SERS substrates via glancing angle deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700088.	0.8	2
44	Simultaneous large continuous band gap tunability and photoluminescence enhancement in GaSe nanosheets via elastic strain engineering. <i>Nano Energy</i> , 2017, 32, 157-164.	8.2	41
45	Valence band modification of $\text{Cr}_{2-x}\text{O}_{3-x}$ by Ni-doping: creating a high figure of merit p-type TCO. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12610-12618.	2.7	36
46	Ultrathin magnetite in $\text{Fe}_{3-x}\text{O}_{4-x}$ Investigating the enhanced thin film magnetic moment. <i>Physical Review B</i> , 2017, 95, .	1.1	8
47	Nanoclusters and nanolines: the effect of molybdenum oxide substrate stoichiometry on iron self-assembly. <i>Nanotechnology</i> , 2017, 28, 205602.	1.3	1
48	Composite $\text{Fe}_3\text{O}_4/\text{W}(100)$ probes for scanning tunneling microscopy. <i>Journal of Applied Physics</i> , 2017, 122, 235301.	1.1	3
49	Quantifying the Performance of P-Type Transparent Conducting Oxides by Experimental Methods. <i>Materials</i> , 2017, 10, 1019.	1.3	51
50	Anomalous Anisotropic Magnetoresistance of Antiferromagnetic Epitaxial Bimetallic Films: Mn_{2-x}Au and $\text{Mn}_{2-x}\text{Au}/\text{Fe}$ Bilayers. <i>Advanced Functional Materials</i> , 2016, 26, 5884-5892.	7.8	16
51	Band alignment at the interface between Ni-doped $\text{Cr}_{2-x}\text{O}_{3-x}$ and Al-doped ZnO: implications for transparent p-n junctions. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 224004.	0.7	12
52	Mapping of surface plasmon dispersion in thin Ag/Au layered composite films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 566.	0.9	6
53	Polarization conversion-based molecular sensing using anisotropic plasmonic metasurfaces. <i>Nanoscale</i> , 2016, 8, 10576-10581.	2.8	39
54	Formation of plasmonic nanoparticle arrays "rules and recipes for an ordered growth (Phys. Status) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	0.9	0

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55	Formation of plasmonic nanoparticle arrays â€œrules and recipes for an ordered growth. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 198-205.	0.7	1
56	Understanding bottom-up continuous hydrothermal synthesis of nanoparticles using empirical measurement and computational simulation. <i>Nano Research</i> , 2016, 9, 3377-3387.	5.8	29
57	Growth and characterization of epitaxial magnesium ferrite thin films. <i>Thin Solid Films</i> , 2016, 612, 290-295.	0.8	9
58	X-ray spectroscopic studies of the electronic structure of chromium-based p -type transparent conducting oxides. <i>Physical Review B</i> , 2016, 93, .	1.1	15
59	Oxygen vacancy induced surface stabilization: (110) terminated magnetite. <i>Physical Review B</i> , 2016, 94, .	1.1	12
60	Surface enhanced Raman scattering of monolayer MX ₂ with metallic nano particles. <i>Scientific Reports</i> , 2016, 6, 30320.	1.6	31
61	Decoupling the refractive index from the electrical properties of transparent conducting oxides via periodic superlattices. <i>Scientific Reports</i> , 2016, 6, 33006.	1.6	12
62	Probing thermal expansion coefficients of monolayers using surface enhanced Raman scattering. <i>RSC Advances</i> , 2016, 6, 99053-99059.	1.7	20
63	Transition metal doped anatase nanocrystals: Continuous-flow hydrothermal synthesis and photocatalytic activity. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2665-2670.	3.3	9
64	Oxidation and Reduction Reaction Kinetics of Mixed Cerium Zirconium Oxides. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2027-2035.	1.5	47
65	Assessing the potential of Mg-doped Cr ₂ O ₃ as a novel p -type transparent conducting oxide. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 125501.	0.7	21
66	Bench- and pilot-scale continuous-flow hydrothermal production of barium strontium titanate nanopowders. <i>Chemical Engineering Journal</i> , 2016, 289, 433-441.	6.6	24
67	Synthesis of nanocrystalline Cu deficient CuCrO ₂ â€œ a high figure of merit p -type transparent semiconductor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 126-134.	2.7	61
68	Optical characterisation of plasmonic nanostructures on planar substrates using secondâ€œharmonic generation. <i>Optics Express</i> , 2015, 23, 26486.	1.7	5
69	Spin-dependent transport properties of Fe ₃ O ₄ /MoS ₂ /Fe ₃ O ₄ junctions. <i>Scientific Reports</i> , 2015, 5, 15984.	1.6	53
70	Influence of anisotropic strain relaxation on the magnetoresistance properties of epitaxial Fe ₃ O ₄ (110) films. <i>Journal of Applied Physics</i> , 2015, 118, 173903.	1.1	3
71	Induced morphological changes on vicinal MgO (100) subjected to high-temperature annealing: step formation and surface stability. <i>Surface and Interface Analysis</i> , 2015, 47, 969-977.	0.8	5
72	Conducting mechanism in the epitaxial p -type transparent conducting oxide C_r $r < 2$.	1.1	62

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73	Enhanced Shubnikovâ€“De Haas Oscillation in Nitrogen-Doped Graphene. ACS Nano, 2015, 9, 7207-7214.	7.3	19
74	Thermodynamics of CeO ₂ Thermochemical Fuel Production. Energy & Fuels, 2015, 29, 1001-1009.	2.5	115
75	Electrical-field-driven metalâ€“insulator transition tuned with self-aligned atomic defects. Nanoscale, 2015, 7, 14055-14061.	2.8	5
76	Rotation dynamics of C60 molecules in a monolayer fullerene film on the WO ₂ /W(110) surface near the rotational phase transition. Journal of Experimental and Theoretical Physics, 2015, 120, 831-837.	0.2	7
77	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. Nano Letters, 2015, 15, 5307-5313.	4.5	171
78	Raman spectra of p-type transparent semiconducting Cr ₂ O ₃ :Mg. Thin Solid Films, 2015, 594, 245-249.	0.8	20
79	Transport Gap Opening and High Onâ€“Off Current Ratio in Trilayer Graphene with Self-Aligned Nanodomain Boundaries. ACS Nano, 2015, 9, 8967-8975.	7.3	21
80	Spray pyrolysis growth of a high figure of merit, nano-crystalline, <i>p</i> -type transparent conducting material at low temperature. Applied Physics Letters, 2015, 107, .	1.5	35
81	Magnetic and resonance properties of Fe nanowire arrays on oxidised step-bunched silicon templates. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 67, 192-196.	1.3	3
82	Fabrication of [001]-oriented tungsten tips for high resolution scanning tunneling microscopy. Scientific Reports, 2015, 4, 3742.	1.6	30
83	Stability and capping of magnetite ultra-thin films. Applied Physics Letters, 2014, 104, 192401.	1.5	12
84	Unidirectional anisotropy in planar arrays of iron nanowires: A ferromagnetic resonance study. Low Temperature Physics, 2014, 40, 165-170.	0.2	1
85	Effect of catalyst diameter on vapour-liquid-solid growth of GaAs nanowires. Journal of Applied Physics, 2014, 116, 063509.	1.1	5
86	Evidence for spin glass state of NdCo _{1-x} Ni _x O ₃ ($x=0.3\sim 0.5$). Journal of Applied Physics, 2014, 116, 073903.	1.1	11
87	Magnetic and transport properties of epitaxial stepped Fe ₃ O ₄ (100) thin films. Applied Physics Letters, 2014, 105, 132408.	1.5	11
88	An analytic approach to modeling the optical response of anisotropic nanoparticle arrays at surfaces and interfaces. Journal of Physics Condensed Matter, 2014, 26, 145302.	0.7	5
89	Atomically resolved STM imaging with a diamond tip: simulation and experiment. Nanotechnology, 2014, 25, 025706.	1.3	14
90	Homologous size-extension of hybrid vanadate capsules â€“ solid state structures, solution stability and surface deposition. Chemical Communications, 2014, 50, 2265-2267.	2.2	28

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91	Rotated domain network in graphene on cubic-SiC(001). Nanotechnology, 2014, 25, 135605.	1.3	14
92	Homolytic Cleavage of Molecular Oxygen by Manganese Porphyrins Supported on Ag(111). ACS Nano, 2014, 8, 5190-5198.	7.3	52
93	Tuning the crystallographic, morphological, optical and electrical properties of ZnO:Al grown by spray pyrolysis. Thin Solid Films, 2014, 555, 9-12.	0.8	24
94	Reflectance anisotropy spectroscopy of magnetite (110) surfaces. Physical Review B, 2014, 89, .	1.1	7
95	Spin states and glassy magnetism in $\text{LaCo}_{1-x}\text{Ni}_x\text{O}_3$ ($0 \leq x \leq 0.5$). Materials Chemistry and Physics, 2014, 147, 617-622.	2.0	14
96	Disclinations in C_60 molecular layers on WO_2 surfaces. Physical Review B, 2014, 90, .	1.1	10
97	Magnetic and transport properties of epitaxial thin film MgFe_2O_4 grown on MgO (100) by molecular beam epitaxy. Scientific Reports, 2014, 4, 7012.	1.6	24
98	Continuous wafer-scale graphene on cubic-SiC(001). Nano Research, 2013, 6, 562-570.	5.8	31
99	Manipulating and probing the growth of plasmonic nanoparticle arrays using light. Nanoscale, 2013, 5, 4923.	2.8	12
100	Observation of out-of-plane unidirectional anisotropy in MgO -capped planar nanowire arrays of Fe. Journal of Applied Physics, 2013, 114, 133903.	1.1	4
101	Magnetization States of All-Oxide Spin Valves Controlled by Charge-orbital Ordering of Coupled Ferromagnets. Scientific Reports, 2013, 3, 1830.	1.6	36
102	Analytical Model of CeO_2 Oxidation and Reduction. Journal of Physical Chemistry C, 2013, 117, 24129-24137.	1.5	134
103	General approach to the analysis of plasmonic structures using spectroscopic ellipsometry. Physical Review B, 2013, 87, .	1.1	19
104	Writing with atoms: Oxygen adatoms on the $\text{MoO}_2/\text{Mo}(110)$ surface. Nano Research, 2013, 6, 929-937.	5.8	13
105	High resolution STM imaging with oriented single crystalline tips. Applied Surface Science, 2013, 267, 219-223.	3.1	16
106	Correlation between charge-transfer and rotation of C_{60} on $\text{WO}_2/\text{W}(110)$. Nanoscale, 2013, 5, 3380.	2.8	10
107	Structural, magnetic and x-ray absorption studies of $\text{NdCo}_{1-x}\text{Ni}_x\text{O}_3$ ($0 \leq x \leq 0.5$). Journal of Applied Physics, 2013, 113, .	1.1	13
108	Ultraviolet Irradiation-Controlled Memory Effect in Graphene Field-Effect Transistors. Small, 2013, 9, 2240-2244.	5.2	16

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109	Effect of Chemical Precursors On the Optical and Electrical Properties of p-Type Transparent Conducting Cr ₂ O ₃ :(Mg,N). Journal of Physical Chemistry C, 2013, 117, 21901-21907.	1.5	32
110	Beyond the Heisenberg Model: Anisotropic Exchange Interaction between a Cu-Tetraazaporphyrin Monolayer and Fe_3O_4 and $\text{Fe}_3\text{O}_4/\text{NiO}$ exchange biased system. Applied Physics Letters, 2012, 101, 052402.	2.9	18
111	Magnetization Reversal Behaviour of Planar Nanowire Arrays of Fe. Current Nanoscience, 2013, 9, 609-614.	0.7	1
112	Self-assembly of Fe nanocluster arrays on templated surfaces. Journal of Applied Physics, 2012, 111, 07B515.	1.1	5
113	Transversal magneto-resistance in epitaxial Fe_3O_4 and $\text{Fe}_3\text{O}_4/\text{NiO}$ exchange biased system. Applied Physics Letters, 2012, 101, 052402.	1.5	16
114	Growth and ordering of Ni(II) diphenylporphyrin monolayers on Ag(111) and Ag/Si(111) studied by STM and LEED. Journal of Physics Condensed Matter, 2012, 24, 045005.	0.7	4
115	Surface plasmon on topological insulator/dielectric interface enhanced ZnO ultraviolet photoluminescence. AIP Advances, 2012, 2, .	0.6	12
116	Antiband instability on vicinal Si(111) under the condition of diffusion-limited sublimation. Physical Review B, 2012, 86, .	1.1	6
117	Statistical distribution of the electric field-driven switching of the Verwey state in Fe ₃ O ₄ . New Journal of Physics, 2012, 14, 013019.	1.2	3
118	Control of the Spatial Resolution in Ultimately High Resolution STM Experiments with [001]-Oriented Single Crystalline Tungsten Probes. Physics Procedia, 2012, 32, 785-788.	1.2	1
119	Equilibrium faceting formation in vicinal Al ₂ O ₃ (0001) surface caused by annealing. Surface Science, 2012, 606, 1815-1820.	0.8	21
120	Finite element method simulations of heat flow in fixed bed solar water splitting redox reactors. International Journal of Hydrogen Energy, 2012, 37, 10028-10035.	3.8	5
121	Mn ₂ Au: Body-Centered Tetragonal Bimetallic Antiferromagnets Grown by Molecular Beam Epitaxy. Advanced Materials, 2012, 24, 6374-6379.	11.1	40
122	Aluminium doped Zn _{1-x} Mg _x O: A transparent conducting oxide with tunable optical and electrical properties. Applied Physics Letters, 2012, 101, .	1.5	21
123	Structural and magnetic properties of planar nanowire arrays of Co grown on oxidized vicinal silicon (111) templates. Journal of Applied Physics, 2012, 111, 07E342.	1.1	5
124	Investigation of coupled cobalt-silver nanoparticle system by plan view TEM. Progress in Natural Science: Materials International, 2012, 22, 186-192.	1.8	4
125	Self-assembled broadband plasmonic nanoparticle arrays for sensing applications. Applied Physics Letters, 2012, 100, .	1.5	28
126	Controlled in situ growth of tunable plasmonic self-assembled nanoparticle arrays. Nanotechnology, 2012, 23, 035606.	1.3	22

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127	Strain induced exciton fine-structure splitting and shift in bent ZnO microwires. Scientific Reports, 2012, 2, 452.	1.6	64
128	Domain wall configuration and magneto-transport properties in dual spin-valve with nanoconstriction. Applied Physics Letters, 2012, 100, 242409.	1.5	2
129	Magnetic properties of planar nanowire arrays of Co fabricated on oxidized step-bunched silicon templates. Nanotechnology, 2012, 23, 235702.	1.3	16
130	Improving solar cell efficiency with optically optimised TCO layers. Solar Energy Materials and Solar Cells, 2012, 101, 262-269.	3.0	52
131	An alternative fluorine precursor for the synthesis of SnO ₂ :F by spray pyrolysis. Thin Solid Films, 2012, 520, 1856-1861.	0.8	17
132	Large Magnetoresistance in Few Layer Graphene Stacks with Current Perpendicular to Plane Geometry. Advanced Materials, 2012, 24, 1862-1866.	11.1	66
133	Memory and Threshold Resistance Switching in Ni/NiO Core-Shell Nanowires. Nano Letters, 2011, 11, 4601-4606.	4.5	136
134	Magnesium, nitrogen codoped Cr ₂ O ₃ : A p-type transparent conducting oxide. Applied Physics Letters, 2011, 99, .	1.5	82
135	Positive antiphase boundary domain wall magnetoresistance in Fe ₃ O ₄ nanowires. Applied Physics Letters, 2011, 99, .	1.1	68
136	Two-Dimensional Nanosheets Produced by Liquid Exfoliation of Layered Materials. Science, 2011, 331, 568-571.	6.0	6,190
137	Thickness dependence of the effective damping in epitaxial Fe ₃ O ₄ /MgO thin films. Journal of Applied Physics, 2011, 109, 013907.	1.1	27
138	Magnetic properties of the magnetoelectric compound Cu ₂ OSeO ₃ : Magnetization and ⁷⁷ Se NMR study. Journal of Physics: Conference Series, 2011, 303, 012069.	0.3	8
139	Experimental quantitative study into the effects of electromigration field moderation on step bunching instability development on Si(111). Physical Review B, 2011, 83, .	1.1	11
140	3D In-Vivo Optical Skin Imaging for Intense Pulsed Light and Fractional Ablative Resurfacing of Photodamaged Skin. Facial Plastic Surgery Clinics of North America, 2011, 19, 737-757.	0.9	8
141	Magnetotransport and Trapping of Magnetic Domain Walls in Spin Valves With Nanoconstrictions. IEEE Transactions on Magnetics, 2011, 47, 2436-2439.	1.2	5
142	Magnetic properties of planar arrays of Fe-nanowires grown on oxidized vicinal silicon (111) templates. Journal of Applied Physics, 2011, 109, 07B106.	1.1	9
143	Application of single crystalline tungsten for fabrication of high resolution STM probes with controlled structure. Russian Metallurgy (Metally), 2011, 2011, 603-609.	0.1	0
144	Self-assembly and ordering of C ₆₀ on the WO ₂ /W(110) surface. Nano Research, 2011, 4, 194-203.	5.8	19

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145	Fe nanoclusters on the Ge(001) surface studied by scanning tunneling microscopy, density functional theory calculations and X-ray magnetic circular dichroism. Nano Research, 2011, 4, 971-978.	5.8	4
146	Evolution of magnetic nanophases of Ni embedded in Al ₂ O ₃ (001) matrix by X-ray magnetic circular dichroism. Chemical Physics Letters, 2011, 501, 404-408.	1.2	6
147	Magnetoelectric behavior of ferrimagnetic Bi _x Co _{2-2x} MnO ₄ (x=0, 0.1 and 0.3) thin films. Journal of Magnetism and Magnetic Materials, 2011, 323, 1760-1765.	1.0	11
148	Rotational transitions in a C ₆₀ monolayer on the WO ₂ surface. Physical Review B, 2011, 84, .	1.1	16
149	Probing the out-of-plane optical response of plasmonic nanostructures using spectroscopic ellipsometry. Physical Review B, 2011, 84, .	1.1	25
150	Critical field behavior and antiband instability under controlled surface electromigration on Si(111). Physical Review B, 2011, 84, .	1.1	5
151	Anomalous magnetization reversal due to proximity effect of antiphase boundaries. Physical Review B, 2011, 84, .	1.1	18
152	<i>In situ</i> characterization of one-dimensional plasmonic Ag nanocluster arrays. Physical Review B, 2011, 83, .	1.1	21
153	Magnetoresistance of Fe ₃ O ₄ -graphene-Fe ₃ O ₄ junctions. Applied Physics Letters, 2011, 98, 052511.	1.5	17
154	Surface morphology of c-plane sapphire ($\hat{\pm}$ -alumina) produced by high temperature anneal. Surface Science, 2010, 604, 1294-1299.	0.8	61
155	Oxidation of W(110) studied by LEED and STM. Surface Science, 2010, 604, 1548-1551.	0.8	17
156	The Synthesis of Nanostructured and Nanometer-Sized Systems. Key Engineering Materials, 2010, 444, 99-131.	0.4	3
157	Interplay of bulk and interface effects in the electric-field-driven transition in magnetite. Physical Review B, 2010, 81, .	1.1	14
158	The effect of deposition power on the electrical properties of Al-doped zinc oxide thin films. Applied Physics Letters, 2010, 97, .	1.5	33
159	Interfacial transport properties between a strongly correlated transition metal oxide and a metal: Contact resistance in		

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163	Influence of electromigration field on the step bunching process on Si(111). Physical Review B, 2010, 82, .	1.1	13
164	Selecting the tip electron orbital for scanning tunneling microscopy imaging with sub-Ångström lateral resolution. Europhysics Letters, 2010, 92, 46003.	0.7	33
165	Probing One Antiferromagnetic Antiphase Boundary and Single Magnetite Domain Using Nanogap Contacts. Nano Letters, 2010, 10, 1132-1136.	4.5	49
166	Ferrimagnetism of the magnetoelectric compound Cu_2S . Physical Review B, 2010, 82, .	1.1	71
167	Inverted magnetoresistance in dual spin valve structures with a synthetic antiferromagnetic free layer. Applied Physics Letters, 2009, 95, 222506.	1.5	2
168	Structural and transport properties of Bi-substituted Co_2MnO_4 . Journal of Applied Physics, 2009, 105, 07D910.	1.1	19
169	Influence of miscut on the anisotropic magnetoresistance of magnetite thin films. Journal of Applied Physics, 2009, 105, 07B108.	1.1	9
170	The reversibility of phase transitions in Ti/Co core/shell nanometre-sized particles. Nanotechnology, 2009, 20, 015702.	1.3	1
171	Bi-substitution-induced magnetic moment distribution in spinel $Bi_xCo_{2-2x}MnO_4$ multiferroic. Journal of Physics Condensed Matter, 2009, 21, 406006.	0.7	15
172	Structural, electrical and magnetic properties of Bi-substituted Co_2MnO_4 . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 163, 48-56.	1.7	30
173	Thin films of semiconducting lithium ferrite produced by pulsed laser deposition. Applied Surface Science, 2009, 255, 5245-5247.	3.1	5
174	Tunneling interlayer exchange coupling between oxide ferrimagnets: Analysis for $Fe_3O_4/vac/Fe_3O_4$ case. Applied Physics Letters, 2009, 94, 262506.	1.5	11
175	Strain relaxation in $Fe_3O_4/MgAl_2O_4$ heterostructures: Mechanism for formation of antiphase boundaries in an epitaxial system with identical symmetries of film and substrate. Physical Review B, 2009, 80, .	1.1	54
176	Influence of the Precursors and Chemical Composition of the Solution on the Properties of ZnO Thin Films Grown by Spray Pyrolysis. Journal of Physical Chemistry C, 2009, 113, 21074-21081.	1.5	64
177	Origin of hysteresis in resistive switching in magnetite is Joule heating. Physical Review B, 2009, 79, .	1.1	48
178	Modifications of the structural, electrical and magnetic properties of $LaFe_{0.5}Ni_{0.5}O_3$ thin films by 190MeV Ag ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1611-1615.	0.6	8
179	$1/f$ noise studies of swift heavy ion irradiated magnetite thin films. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1719-1722.	0.6	0
180	Magnetic anisotropy in ilmenite-hematite solid solution thin films grown by pulsed laser ablation. Journal of Magnetism and Magnetic Materials, 2008, 320, 3238-3241.	1.0	13

#	ARTICLE	IF	CITATIONS
181	Electrically driven phase transition in magnetite nanostructures. Nature Materials, 2008, 7, 130-133.	13.3	124
182	Numerical investigation of the stability of Ag-Cu nanorods and nanowires. Physical Review B, 2008, 78, .	1.1	13
183	Antiferromagnetic interlayer exchange coupling between Fe ₃ O ₄ layers across a nonmagnetic MgO dielectric layer. Applied Physics Letters, 2008, 92, .	1.5	57
184	Nanogaps with very large aspect ratios for electrical measurements. Applied Physics Letters, 2008, 92, 113102.	1.5	56
185	Plasmon Resonance in Silver Nanoparticles Arrays Grown by Atomic Terrace Low-Angle Shadowing. Nano Letters, 2008, 8, 3248-3256.	4.5	26
186	Optical magnetic circular dichroism in threshold photoemission from a magnetite thin film. Journal of Physics Condensed Matter, 2008, 20, 235218.	0.7	13
187	Room-Temperature Self-Assembly of Equilateral Triangular Clusters via Friedel Oscillations. Physical Review Letters, 2008, 101, 165701.	2.9	13
188	Multiferroic Properties of Bi-Substituted Co ₂ MnO ₄ . AIP Conference Proceedings, 2008, , .	0.3	0
189	Magnetic Properties of Ultrathin Magnetite Films Grown by Molecular Beam Epitaxy. IEEE Transactions on Magnetics, 2008, 44, 2628-2631.	1.2	15
190	In-plane magnetic anisotropies in Fe_3O_4 films on vicinal MgO(100). Physical Review B, 2008, 77, .	1.1	27
191	Magnetoelectric properties of $\text{Bi}_x\text{Co}_{2-x}\text{MnO}_4$ ($x=0.3$). Applied Physics Letters, 2008, 92, .	1.5	34
192	Concept of a nanowire array magnetoresistance device. Applied Physics Letters, 2008, 92, 023107.	1.5	18
193	Giant magnetic moment in epitaxial Fe ₃ O ₄ thin films on MgO(100). Physical Review B, 2008, 77, .	1.1	83
194	Planar nanowire arrays formed by atomic-terrace low-angle shadowing. Review of Scientific Instruments, 2008, 79, 053907.	0.6	19
195	Studies of the periodic faceting of epitaxial molybdenum oxide grown on Mo(110). Physical Review B, 2008, 77, .	1.1	15
196	Anomalous anisotropic magnetoresistance in epitaxial Fe_3O_4 films on MgO(001). Physical Review B, 2008, 78, .	1.1	92
197	Microtexture of magnetite thin films of (001) and (111) orientations on MgO substrates studied by electron-backscatter diffraction. Journal of Applied Physics, 2008, 103, 07E505.	1.1	4
198	Magnetic moment investigations of epitaxial magnetite thin films. Journal of Applied Physics, 2008, 103, 07D715.	1.1	13

#	ARTICLE	IF	CITATIONS
199	Asymmetry effects in atomically resolved STM images of Cu(014)-O and W(100)-O surfaces measured with MnNi tips. Physical Review B, 2007, 76, .	1.1	11
200	Misorientations in [001] magnetite thin films studied by electron backscatter diffraction and magnetic force microscopy. Journal of Applied Physics, 2007, 101, 09M507.	1.1	8
201	Atomic Row Doubling in the STM Images of Cu(014)-O Obtained with MnNi Tips. Physical Review Letters, 2007, 98, 206101.	2.9	16
202	Epitaxial molybdenum oxide grown on Mo(110): LEED, STM, and density functional theory calculations. Physical Review B, 2007, 75, .	1.1	33
203	Nanowedge island formation on Mo(110). Surface Science, 2007, 601, 3169-3178.	0.8	10
204	Morphology of Ni ultrathin films on Mo(110) and W(100) studied by LEED and STM. Surface Science, 2007, 601, 5576-5584.	0.8	10
205	EBSD analysis of the growth of (001) magnetite thin films on MgO substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 144, 64-68.	1.7	2
206	Influence of substrate pre-deposition annealing on step edges-induced magnetoresistance in epitaxial magnetite films grown on vicinal MgO (100) substrates. Journal of Magnetism and Magnetic Materials, 2007, 316, e969-e972.	1.0	3
207	Electron backscatter diffraction analysis applied to [001] magnetite thin films grown on MgO substrates. Journal of Magnetism and Magnetic Materials, 2007, 316, e663-e665.	1.0	5
208	Epitaxial growth of ultrathin Cr films on Mo(110) at elevated temperature. Physical Review B, 2006, 73, .	1.1	10
209	Influence of the antiphase domain distribution on the magnetic structure of magnetite thin films. Applied Physics Letters, 2006, 89, 122517.	1.5	23
210	Anomalous strain relaxation behavior of Fe ₃ O ₄ /MgO (100) heteroepitaxial system grown using molecular beam epitaxy. Journal of Applied Physics, 2006, 100, 073908.	1.1	43
211	Oxide templates for self-assembling arrays of metal nanoclusters. Surface Science, 2006, 600, L287-L290.	0.8	43
212	Initial nucleation of Au on the R45° reconstructed Fe ₃ O ₄ (001) surface. Surface Science, 2006, 600, 5150-5157.	0.8	17
213	Nano-Magnetic Probing on Magnetite. IEEE Transactions on Magnetics, 2006, 42, 2927-2929.	1.2	6
214	Crystallographic Orientation Analyses of Magnetite Thin Films Using Electron Backscatter Diffraction (EBSD). IEEE Transactions on Magnetics, 2006, 42, 2873-2875.	1.2	12
215	Towards Spin-Polarized Scanning Tunneling Microscopy on Magnetite (110). Japanese Journal of Applied Physics, 2006, 45, 2225-2229.	0.8	9
216	Epitaxial Growth of Cr Ultrathin Films on Vicinal and Low Index Mo(110) Surfaces. Japanese Journal of Applied Physics, 2006, 45, 2212-2214.	0.8	0

#	ARTICLE	IF	CITATIONS
217	Planar Hall effect in magnetite (100) films. Journal of Applied Physics, 2006, 99, 08C509.	1.1	22
218	Self-assembled Fe nanodots on Ge(001). Applied Physics Letters, 2006, 88, 193111.	1.5	4
219	Swift heavy ion irradiation-induced modifications in structural, magnetic and electrical transport properties of epitaxial magnetite thin films. Journal of Applied Physics, 2006, 100, 033703.	1.1	36
220	Observation of antiferromagnetic coupling in epitaxial ferrite films. Physical Review B, 2006, 74, .	1.1	9
221	Scanning tunneling spectroscopy study of the electronic structure of Fe ₃ O ₄ surfaces. Physical Review B, 2006, 74, .	1.1	68
222	The magnetic and magnetoresistance properties of ultrathin magnetite films grown on MgO substrate. Journal of Applied Physics, 2006, 99, 08J111.	1.1	14
223	Epitaxial growth and magnetic properties of Fe nanowedge islands on Mo(110). Journal of Magnetism and Magnetic Materials, 2005, 286, 18-22.	1.0	3
224	Antiphase boundaries induced exchange coupling in epitaxial Fe ₃ O ₄ thin films. Journal of Magnetism and Magnetic Materials, 2005, 286, 463-467.	1.0	46
225	Effect of thermo-chemical treatment on magnetic and spin-transport properties of epitaxial Fe ₃ O ₄ (100)/MgO films. Journal of Magnetism and Magnetic Materials, 2005, 286, 346-350.	1.0	10
226	Nanoscale pattern formation on the $\langle 110 \rangle$ surface of Fe ₃ O ₄ thin films. Journal of Magnetism and Magnetic Materials, 2005, 286, 351-355.	1.0	6
227	Study of ferromagnetic to paramagnetic phase transition in two-dimensional Fe/Mo(110) epitaxial films. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 764-767.	1.0	3
228	Spin polarized STM imaging of the (001) surface using antiferromagnetic tips. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1029-1032.	1.0	13
229	Influence of reducing thermo-chemical treatment on magnetic properties of magnetite Fe ₃ O ₄ (100) epitaxial films. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1033-1036.	1.0	3
230	Oxygen-induced p(3 $\sqrt{3}$ × 1) reconstruction of the W(100) surface. Surface Science, 2005, 579, 65-72.	0.8	11
231	The "Multiple Hormone Deficiency" Theory of Aging: Is Human Senescence Caused Mainly by Multiple Hormone Deficiencies?. Annals of the New York Academy of Sciences, 2005, 1057, 448-465.	1.8	55
232	Atomic scale spin-dependent STM on magnetite using antiferromagnetic STM tips. Microscopy Research and Technique, 2005, 66, 85-92.	1.2	4
233	Studies of heteroepitaxial growth of Fe/MgO/Fe ₃ O ₄ multilayer on MgO (100) substrates for fabrication of magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2005, 286, 128-133.	1.0	3
234	Anisotropic transport behavior in ultrathin epitaxial Fe films on vicinal oxide substrates. Journal of Applied Physics, 2005, 97, 10M103.	1.1	4

#	ARTICLE	IF	CITATIONS
235	Study of magnetoresistance of epitaxial magnetite films grown on vicinal MgO (100) substrate. Journal of Applied Physics, 2005, 97, 10D315.	1.1	12
236	Magnetoresistance enhancement in epitaxial magnetite films grown on vicinal substrates. Physical Review B, 2005, 72, .	1.1	69
237	Developments in surface magneto-optical Kerr effect setup for ultrahigh vacuum analysis of magnetic ultrathin films. Review of Scientific Instruments, 2005, 76, 046102.	0.6	8
238	Exposition of semiconducting and ferromagnetic properties of pulsed-laser-deposited thin films of $\text{LaFe}_{1-x}\text{Ni}_x\text{O}_3$ ($x=0.3, 0.4, \text{ and } 0.5$). Applied Physics Letters, 2005, 87, 132104.	1.5	28
239	Spin-polarized electron tunneling across magnetic dielectric. Applied Physics Letters, 2005, 86, 212501.	1.5	7
240	Self-assembly of iron nanoclusters on the $\text{Fe}_3\text{O}_4(111)$ superstructured surface. Physical Review B, 2005, 71, .	1.1	8
241	Influence of antiphase boundary density on the conduction noise properties of epitaxial magnetite thin films. Journal of Applied Physics, 2005, 97, 10C310.	1.1	12
242	Atomically Resolved Spin-Dependent Tunneling on the Oxygen-Terminated $\text{Fe}_3\text{O}_4(111)$. Physical Review Letters, 2004, 93, 057201.	2.9	50
243	Study of polarization-dependent energy coupling between near-field optical probe and mesoscopic metal structure. Journal of Applied Physics, 2004, 95, 3988-3993.	1.1	9
244	Self-assembled alkali and alkaline earth metal nanopatterns on $\text{Fe}_3\text{O}_4(001)$. Physical Review B, 2004, 70, .	1.1	4
245	Influence of Ca and K on the reconstruction of the $\text{Fe}_3\text{O}_4(001)$ surface. Surface Science, 2004, 564, 79-86.	0.8	12
246	An atomic scale STM study of the $\text{Fe}_3\text{O}_4(001)$ surface. Surface Science, 2004, 548, 106-116.	0.8	36
247	Proximity influence of a ferromagnet on the magnetoresistance of Cr film across a nonmagnetic layer. Journal of Magnetism and Magnetic Materials, 2004, 283, 171-180.	1.0	1
248	In situ study of in-plane magnetic anisotropy of ultrathin Fe films on $\text{Mo}(110)$. Journal of Magnetism and Magnetic Materials, 2004, 283, 357-363.	1.0	8
249	Spin-polarized tunneling effects observed on the oxygen-terminated $\text{Fe}_3\text{O}_4(111)$ surface. Journal of Applied Physics, 2004, 95, 6891-6893.	1.1	12
250	Enhancement of the magnetization saturation in magnetite (100) epitaxial films by thermo-chemical treatment. Journal of Applied Physics, 2004, 95, 7357-7359.	1.1	35
251	Kinetics of oxidation of low-index surfaces of magnetite. Journal of Physics Condensed Matter, 2004, 16, 1-12.	0.7	67
252	Study of in-plane magnetic anisotropy of ultrathin epitaxial Fe films grown on vicinal $\text{Mo}(110)$ surface. Journal of Applied Physics, 2004, 95, 7312-7314.	1.1	12

#	ARTICLE	IF	CITATIONS
253	Strain relaxation studies of the Fe ₃ O ₄ /MgO (100) heteroepitaxial system grown by magnetron sputtering. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5387-5393.	0.7	34
254	Long-range charge order on the Fe ₃ O ₄ (001) surface. <i>Physical Review B</i> , 2004, 70, .	1.1	52
255	Room temperature study of a strain-induced electronic superstructure on a magnetite (111) surface. <i>Physical Review B</i> , 2004, 70, .	1.1	38
256	Measurement of electric-field intensities using scanning near-field microwave microscopy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003, 51, 2228-2234.	2.9	27
257	Irreversible nanoscale morphology transformation of an Fe film on Mo(110) induced by a magnetic STM tip. <i>Surface Science</i> , 2003, 547, 139-148.	0.8	9
258	Fabrication of magnetic STM probes and their application to studies of the Fe ₃ O ₄ (111) surface. <i>Surface Science</i> , 2003, 523, 131-140.	0.8	38
259	Optical impedance matching with scanning near-field optical microscopy. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 2193-2197.	1.3	2
260	Scanning tunneling microscopy studies of the Fe ₃ O ₄ (001) surface using antiferromagnetic probes. <i>Journal of Applied Physics</i> , 2003, 93, 7142-7144.	1.1	7
261	Spin-Dependent STM Tunnelling Study of the Patterned Magnetite (111) Surface. <i>Materials Research Society Symposia Proceedings</i> , 2003, 788, 291.	0.1	0
262	Method of increasing spatial resolution of the scanning near-field microwave microscopy. <i>Journal of Applied Physics</i> , 2003, 93, 4979-4985.	1.1	13
263	Layer-dependent reactivity in the Fe/Mo(110) epitaxial ultrathin film system. <i>Physical Review B</i> , 2003, 68, .	1.1	15
264	Influence of ferromagnetic substrate on the magnetoresistance of Cr film across a nonmagnetic insulating layer. <i>Journal of Applied Physics</i> , 2003, 94, 5035.	1.1	2
265	Formation of the strain-induced electronic superstructure on the magnetite (111) surface. <i>Europhysics Letters</i> , 2003, 63, 867-873.	0.7	18
266	Non-contact high resolution microwave scanning measurement technology. <i>Electronics Letters</i> , 2003, 39, 1047.	0.5	2
267	Charge ordering on the surface of Fe ₃ O ₄ (001). <i>Physical Review B</i> , 2002, 66, .	1.1	82
268	Morphology and strain-induced defect structure of ultrathin epitaxial Fe films on Mo(110). <i>Physical Review B</i> , 2002, 66, .	1.1	33
269	Enhanced gas-particle adsorption on strained pseudomorphic Fe films on Mo(110). <i>Surface Science</i> , 2000, 454-456, 280-283.	0.8	7
270	NANOJET: Nanostructuring via a downstream plasmajet. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999, 17, 2764.	1.6	14

#	ARTICLE	IF	CITATIONS
271	Dynamic behavior of a piezowalker, inertial and frictional configurations. Review of Scientific Instruments, 1999, 70, 3651-3655.	0.6	57
272	Method for increasing sensitivity of shear-force distance control for scanning near-field microscopy. Applied Surface Science, 1999, 144-145, 510-513.	3.1	6
273	Fabrication of submicron-scale manganese-nickel tips for spin-polarized STM studies. Applied Surface Science, 1999, 144-145, 497-500.	3.1	24
274	Study of the dynamic behaviour of a piezo-walker. Applied Surface Science, 1999, 144-145, 530-533.	3.1	3
275	On the growth of ultrathin Fe-films on Mo(110). Journal of Magnetism and Magnetic Materials, 1999, 198-199, 734-736.	1.0	9
276	Atomically resolved p(3 \times 1) reconstruction on the W(100) surface imaged with magnetic tips. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 686-688.	1.0	10
277	A scanning tunneling microscopy study on the growth of iron on a vicinal Mo(110) surface. Surface Science, 1999, 433-435, 440-444.	0.8	6
278	Studies of surface structures on single crystalline magnetite (100). Surface Science, 1999, 440, 116-124.	0.8	20
279	Bulk defects in graphite observed with a scanning tunnelling microscope. Surface Science, 1998, 417, 145-150.	0.8	43
280	Polarization effects in reflection-mode scanning near-field optical microscopy. Journal of Applied Physics, 1998, 83, 1837-1843.	1.1	21
281	Reflection-mode scanning near-field optical microscopy: Influence of sample type, tip shape, and polarization of light. Journal of Applied Physics, 1998, 83, 1171-1176.	1.1	14
282	Observation of magnetic domains using a reflection-mode scanning near-field optical microscope. Applied Physics Letters, 1997, 70, 1323-1325.	1.5	51
283	Method for increasing shear-force detection sensitivity with uncoated fiber tips. Applied Optics, 1997, 36, 8173.	2.1	3
284	Morphology of sputtering damage on Cu(111) studied by scanning tunneling microscopy. Surface Science, 1997, 388, 212-219.	0.8	27
285	Investigation of the physical mechanisms of shear-force imaging. Journal of Applied Physics, 1996, 80, 5659-5664.	1.1	28
286	Study of shear force as a distance regulation mechanism for scanning near-field optical microscopy. Journal of Applied Physics, 1996, 79, 1219-1223.	1.1	24
287	40 nm resolution in reflection-mode SNOM with $\lambda = 685$ nm. Ultramicroscopy, 1995, 61, 227-231.	0.8	8
288	Wigner glass on the magnetite (001) surface observed by scanning tunneling microscopy with a ferromagnetic tip. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 2118.	1.6	18

#	ARTICLE	IF	CITATIONS
289	Charge freezing and surface anisotropy on magnetite (100). Journal of Applied Physics, 1993, 73, 6742-6744.	1.1	41
290	Progress towards spin-polarized scanning tunneling microscopy. Journal of Applied Physics, 1992, 71, 5489-5499.	1.1	57
291	Evidence for Selective Imaging of Different Magnetic Ions on the Atomic Scale by Using a Scanning Tunneling Microscope with a Ferromagnetic Probe Tip. Europhysics Letters, 1992, 19, 141-146.	0.7	39
292	Topographic and Magnetic-Sensitive Scanning Tunneling Microscope Study of Magnetite. Science, 1992, 255, 583-586.	6.0	185
293	Scanning tunneling microscopy study of the degree of dimer asymmetry on the Si(001)-(2 × 1) surface. Surface Science, 1992, 274, 93-98.	0.8	16
294	Recent advances in spin-polarized scanning tunneling microscopy. Ultramicroscopy, 1992, 42-44, 338-344.	0.8	5
295	Magnetic imaging at the atomic level. European Physical Journal B, 1992, 86, 1-2.	0.6	30
296	Spin-Polarized Scanning Tunneling Microscopy (SPSTM). Materials Research Society Symposia Proceedings, 1991, 231, 37.	0.1	3
297	Recent advances in scanning tunneling microscopy involving magnetic probes and samples. Applied Physics A: Solids and Surfaces, 1991, 53, 349-355.	1.4	31
298	Determination of the local magnetization caused by short-range order from the magnetostriction dependences of a ferromagnet. IEEE Transactions on Magnetics, 1990, 26, 2840-2842.	1.2	1
299	Magnetostriction and antiferromagnetic domains dynamics in helical antiferromagnets. Journal of Magnetism and Magnetic Materials, 1990, 88, 121-133.	1.0	7
300	On the possibility of resolving quantization axes of surface spins by means of a scanning tunneling microscope with a magnetic tip. Surface Science, 1990, 236, L377-L381.	0.8	43
301	Microfluidic biochips for cell guidance and separation. , 0, , .		2