

Sudipta Roy Barman

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In-situ STS studies and first principles calculations on bare and Sn adsorbed UHV exfoliated WS ₂ layers. IOP Conference Series: Materials Science and Engineering, 2022, 1221, 012046.	0.3	2
2	Electronic structure of AlMg_3 and AlMg_{13} growth and exploration of visible-light-driven enhanced photocatalytic activity of Cu ¹⁺ /Cr ^x S/CdS heterojunction thin film for active dye degradation. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	3
3	Growth and exploration of visible-light-driven enhanced photocatalytic activity of Cu ¹⁺ /Cr ^x S/CdS heterojunction thin film for active dye degradation. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	8
4	Tuning of ferromagnetic behavior of GaN films by N ion implantation: An experimental and first principle-based study. Journal of Magnetism and Magnetic Materials, 2021, 523, 167630.	1.0	12
5	Role of Cobalt Doping in CdS Quantum Dots for Potential Application in Thin Film Optoelectronic Devices. Journal of Physical Chemistry C, 2021, 125, 2074-2088.	1.5	16
6	Bulk electronic structure of high-order quaternary approximants. Physical Review Research, 2021, 3, .	1.3	6
7	Anderson localization of electron states in a quasicrystal. Physical Review B, 2021, 103, .	1.1	9
8	Nearly-grazing-incidence-high-temperature sputtering of Ruthenium(0001) surface. Applied Surface Science, 2021, 563, 150067.	3.1	3
9	Surface termination and thickness dependent magnetic coupling of Cr adlayers on Ni ₂ MnGa(001) surfaces: An ab initio study. Journal of Magnetism and Magnetic Materials, 2021, 540, 168398.	1.0	2
10	Photoemission study of desorption of monolayer argon from Au(111) surface. AIP Conference Proceedings, 2021, , .	0.3	0
11	In-situ growth of epitaxial Au-Sn films on Au(111): An XPS and LEED study. AIP Conference Proceedings, 2021, , .	0.3	0
12	Dopant Induced-Modulation in Reducing Ability of Cerium in Doped Ceria System and Its Effect on Oxy-Ion Conductivity: Core Study by XPS and XANES Probes. ECS Journal of Solid State Science and Technology, 2021, 10, 101010.	0.9	1
13	Electronic structure and morphology of thin surface alloy layers formed by deposition of Sn on Au(111). Applied Surface Science, 2020, 506, 144606.	3.1	13
14	Swift heavy ion irradiation-induced modifications in the electrical and surface properties of $\text{I}^2\text{-Ga}_2\text{O}_3$. Applied Physics Letters, 2020, 117, .	1.5	27
15	Atomic adsorption of Sn on mechanically cleaved WS ₂ surface at room temperature. Surface Science, 2020, 701, 121685.	0.8	5
16	Aqueous phase semihydrogenation of alkynes over Ni ⁺ /Fe bimetallic catalysts. Catalysis Science and Technology, 2020, 10, 4968-4980.	2.1	11
17	X-ray photoelectron spectroscopy study of a layered tri-chalcogenide system LaTe ₃ . AIP Conference Proceedings, 2020, , .	0.3	5
18	Growth of Sn on Ni ₂ MnGa(100). AIP Conference Proceedings, 2020, , .	0.3	0

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19	Quasiperiodic ordering in thick Sn layer on $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \text{Al-Pd-Mn} \langle \text{mml:mi} \rangle \text{A}$ possible quasicrystalline clathrate. Physical Review Research, 2020, 2, .	1.3	16
20	Study of single grain decagonal Al-Ni-Co quasicrystal surface. AIP Conference Proceedings, 2020, , .	0.3	1
21	Aperiodically ordered nano-graphene on the quasicrystalline substrate. New Journal of Physics, 2020, 22, 093056.	1.2	2
22	Quasiperiodic Sn monolayer on 10-fold Al-Ni-Co quasicrystal surface at room temperature. AIP Conference Proceedings, 2019, , .	0.3	3
23	Local electronic structure of UHV cleaved WS ₂ surface: In-situ STM and STS studies. AIP Conference Proceedings, 2019, , .	0.3	0
24	Electronic structure of Au-Sn compounds grown on Au(111). Physical Review B, 2019, 100, .	1.1	25
25	Parameter dependent fabrication of Chromium nano-structures on Au(111) surface. Surface Science, 2019, 679, 169-173.	0.8	2
26	Role of antisite disorder, electron-electron correlations, and a surface valence transition in the electronic structure of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{CeMnNi} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{In}$ Physical Review B, 2019, 99, .	1.1	10
27	Surface alloying in Sn/Au(111) at elevated temperature. AIP Conference Proceedings, 2018, , .	0.3	2
28	Intermediate stages of surface state formation and collapse of topological protection to transport in Bi ₂ Se ₃ . Journal of Physics Condensed Matter, 2017, 29, 185001.	0.7	4
29	Magnetic interactions and electronic structure of Ni ²⁺ Mn ²⁺ In. Journal of Electron Spectroscopy and Related Phenomena, 2016, 208, 33-39.	0.8	9
30	Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. Physical Review B, 2015, 91, .	1.1	13
31	Residual stress induced stabilization of martensite phase and its effect on the magnetostructural transition in Mn-rich Ni-Mn-In/Ga magnetic shape-memory alloys. Physical Review B, 2015, 92, .	1.1	32
32	Premartensite to martensite transition and its implications for the origin of modulation in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{MnGa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{ferromagnetic}$ shape-memory alloy. Physical Review B, 2015, 92, .	1.1	46
33	Incommensurate modulations in stoichiometric Ni ₂ MnGa ferromagnetic shape memory alloy: an overview. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, 13-22.	0.4	17
34	Nano-donuts on metal surfaces. Applied Surface Science, 2015, 332, 260-265.	3.1	2
35	Electronic structure of the unoccupied electron energy states in FeSe _{1-x} Tex. Solid State Communications, 2015, 219, 48-52.	0.9	0
36	Unoccupied electronic structure of Ni ₂ MnGa ferromagnetic shape memory alloy. Solid State Communications, 2015, 222, 1-4.	0.9	3

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37	Chromium Nano-Islands on Au(111). E-Journal of Surface Science and Nanotechnology, 2014, 12, 49-52.	0.1	7
38	Investigations on the electronic transport and piezoresistivity properties of Ni _{2-x} Mn _{1+x} Ga (x=0 and 0.15) Heusler alloys. Journal of Applied Physics, 2014, 115, 094301.	1.5	19
39	Magnetic properties and magnetocaloric effect in Pt doped Ni-Mn-Ga. Applied Physics Letters, 2014, 104, 231909.	1.5	21
40	Unoccupied electronic states of icosahedral Al-Pd-Mn quasicrystals: Evidence of image potential resonance and pseudogap. Physical Review B, 2014, 90, .	1.1	10
41	Influence of the contact potential and space-charge effect on the performance of a Stoffel-Johnson design electron source for inverse photoemission spectroscopy. Review of Scientific Instruments, 2014, 85, 033301.	0.6	8
42	Magnetic properties and electronic structure of Mn _{1-x} Ni _x Ga magnetic shape memory alloys. Journal of Physics Condensed Matter, 2014, 26, 506001.	0.7	12
43	Temporal evolution and nature of nanostructures on Au(111). Surface Science, 2014, 625, 97-103.	0.8	15
44	Visible light catalysis of rhodamine B using nanostructured Fe ₂ O ₃ , TiO ₂ and TiO ₂ /Fe ₂ O ₃ thin films. Journal of Photochemistry and Photobiology B: Biology, 2014, 133, 90-98.	1.7	90
45	Inverse magnetocaloric effect in Mn ₂ NiGa and Mn _{1.75} Ni _{1.25} Ga magnetic shape memory alloys. Applied Physics Letters, 2014, 104, 051905.	1.5	25
46	Inverse photoemission and photoemission spectroscopic studies on sputter-annealed Ni _{1-x} Mn _x Sn and Ni _{1-x} Mn _x In surfaces. Journal of Electron Spectroscopy and Related Phenomena, 2014, 197, 106-111.	0.8	4
47	High-resolution synchrotron x-ray powder diffraction study of the incommensurate modulation in the martensite phase of Ni _{2-x} Mn _{1+x} Ga (x=0 and 0.15) Heusler alloys: Evidence for nearly 7M modulation and phason broadening. Physical Review B, 2014, 90, .	1.1	43
48	Gd/Sm dopant-modified oxidation state and defect generation in nano-ceria. Solid State Ionics, 2014, 260, 21-29.	1.3	107
49	Investigation of the influence of hydrostatic pressure on the magnetic and magnetocaloric properties of Ni _{2-x} Mn _{1+x} Ga (x=0, 0.15) Heusler alloys. Journal of Applied Physics, 2013, 114, .	1.1	24
50	Effect of growth temperature on structural, electrical and optical properties of dual ion beam sputtered ZnO thin films. Journal of Materials Science: Materials in Electronics, 2013, 24, 2541-2547.	1.1	52
51	Optimization of smart Heusler alloys from first principles. Journal of Alloys and Compounds, 2013, 577, S107-S112.	2.8	46
52	Synthesis of nanosize and sintered Mn _{0.3} Ni _{0.3} Zn _{0.4} Fe ₂ O ₄ ferrite and their structural and dielectric studies. Journal of Alloys and Compounds, 2013, 555, 225-231.	2.8	44
53	Green luminescence and room temperature ferromagnetism in Cu doped ZnO. Applied Physics Letters, 2013, 102, .	1.5	32
54	Antiferromagnetic exchange interactions in the Ni _{2-x} Mn _{1+x} Ga (x=0 and 0.15) Heusler alloys. Journal of Applied Physics, 2013, 114, .	1.1	50

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55	(3 + 1)D superspace description of the incommensurate modulation in the premartensite phase of Ni ₂ MnGa: a high resolution synchrotron x-ray powder diffraction study. Journal of Physics Condensed Matter, 2013, 25, 212203.	0.7	26
56	An x-ray absorption spectroscopy study of Ni-Mn-Ga shape memory alloys. Journal of Physics Condensed Matter, 2013, 25, 046001.	0.7	8
57	p-Type Formation Mechanism of Codoped and Tridoped ZnO Thin Films. Science of Advanced Materials, 2013, 5, 462-468.	0.1	2
58	Note: Characterization of CaF ₂ /acetone bandpass photon detector with Kr filter gas. Review of Scientific Instruments, 2012, 83, 046107.	0.6	7
59	Mn deposition on Ni ₂ MnGa(100). , 2012, , .		0
60	Electronic structure of Ni ₂ MnSn: Experiment and theory. , 2012, , .		1
61	Blueshift in sulfur treated GaAsP/AlGaAs near surface quantum well. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, 021401.	0.9	4
62	Coexistence of charge-density wave and ferromagnetism in Ni ₂ MnGa. Physical Review B, 2012, 85, .	1.1	31
63	Modulated structure in the martensite phase of Ni _{1.8} Pt _{0.2} MnGa: A neutron diffraction study. Applied Physics Letters, 2012, 101, 101101.	1.5	21
64	Evidence of nanoscale structural phase separation in large bandwidth La _{0.2} Sr _{0.8} MnO ₃ . Physical Review Letters, 2012, 109, 246601.	1.1	10
65	Spin-Valve-Like Magnetoresistance in Mn ₂ NiGa at Room Temperature. Physical Review Letters, 2012, 109, 246601.	1.3	6
66	Electronic structure of Fe ₂ CrSn. Physica B: Condensed Matter, 2012, 407, 3547-3550.	1.3	6
67	Ni ₂ MnGa(100) ferromagnetic shape memory alloy: A surface study. Surface Science, 2012, 606, 130-136.	0.8	15
68	Bulk Electronic Structure of Quasicrystals. Physical Review Letters, 2012, 109, 216403.	2.9	26
69	Electronic structure of single crystal and highly oriented pyrolytic graphite from ARPES and KRIPES. Physica B: Condensed Matter, 2012, 407, 827-832.	1.3	10
70	Designing shape-memory Heusler alloys from first-principles. Applied Physics Letters, 2011, 99, .	1.5	91
71	Studies of Valence Band Alignment Between Nitrided GaPN/GaP (111) Interface Using X-ray Photoelectron Spectroscopy. AIP Conference Proceedings, 2011, , .	0.3	2
72	Existence of modulated structure and negative magnetoresistance in Ga excess Ni-Mn-Ga. Applied Physics Letters, 2011, 99, .	1.5	27

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73	Photoemission study of Al adlayers on Mn. Physical Review B, 2011, 84, .	1.1	5
74	High energy resolution bandpass photon detector for inverse photoemission spectroscopy. Review of Scientific Instruments, 2011, 82, 093901.	0.6	16
75	Photon Detector For Inverse Photoemission Spectroscopy With Improved Energy Resolution. AIP Conference Proceedings, 2011, , .	0.3	1
76	Modulation on Ni[sub 2]MnGa(001) surface. , 2011, , .		0
77	Magneto-resistance Studies on Ga Excess Ni-Mn-Ga Ferromagnetic Shape Memory Alloy. , 2011, , .		0
78	Near E[sub F] Electronic Structure of Graphite from Photoemission and Inverse Photoemission Studies. , 2011, , .		0
79	Electron-phonon interaction and size effect study in catalyst based zinc oxide thin films. Journal of Molecular Structure, 2010, 984, 186-193.	1.8	27
80	Electronic structure of from photoemission and inverse photoemission spectroscopies. Physica B: Condensed Matter, 2010, 405, 186-191.	1.3	8
81	Physical properties of ZnO thin films deposited at various substrate temperatures using spray pyrolysis. Physica B: Condensed Matter, 2010, 405, 2226-2231.	1.3	155
82	Plasmon Excitations by Photoelectron Emission from Rare Gas Nanobubbles in Aluminum. Physical Review Letters, 2010, 104, 036803.	2.9	19
83	Structural transformations in Mn ₂ NiGa due to residual stress. Applied Physics Letters, 2010, 96, .	1.5	52
84	Comparative study on passivation of GaAs _{0.86} P _{0.14} /Al _{0.6} Ga _{0.4} As near-surface quantum well. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 1319-1325.	0.9	4
85	An ultrahigh vacuum compatible sample holder for studying complex metal surfaces. Review of Scientific Instruments, 2010, 81, 043907.	0.6	34
86	Temperature dependent spin momentum densities in Ni-Mn-In alloys. Journal of Physics Condensed Matter, 2010, 22, 446001.	0.7	15
87	Magnetocaloric effect in HoMnO ₃ crystal. Applied Physics Letters, 2010, 96, .	1.5	73
88	Bimodal distribution of neon nanobubbles in aluminum. Physical Review B, 2009, 79, .	1.1	8
89	Compton scattering studies of Mn-rich Ni-Mn-Ga ferromagnetic shape memory alloys. Physical Review B, 2009, 79, .	1.1	25
90	Quasiperiodic layers of free-electron metals studied using electron diffraction. Physical Review B, 2009, 79, .	1.1	17

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91	Variation of magnetoresistance in Ni _{2+x} Mn _{1-x} Ga with composition. Journal of Applied Physics, 2009, 106, .	1.1	32
92	Depth-resolved positron annihilation studies of argon nanobubbles in aluminum. Journal of Applied Physics, 2009, 105, 054304.	1.1	8
93	Manganese adlayers on i-AlPdMn quasicrystal: growth and electronic structure. Journal of Physics Condensed Matter, 2009, 21, 405005.	0.7	9
94	Competing tetragonal and monoclinic phases in Ni _{2.2} Mn _{0.80} Ga. Journal of Applied Physics, 2009, 106, 033510.	1.1	14
95	Photoemission study of the (100) surface of Ni ₂ MnGa and Mn ₂ NiGa ferromagnetic shape memory alloys. Surface Science, 2009, 603, 1999-2004.	0.8	30
96	Effective utilization of spray pyrolyzed CeO ₂ as optically passive counter electrode for enhancing optical modulation of WO ₃ . Solid State Ionics, 2009, 180, 1324-1331.	1.3	33
97	X-ray photoemission studies on rare gas bubbles in aluminium with annealing temperature. Surface and Coatings Technology, 2009, 203, 2380-2382.	2.2	12
98	Irradiation induced effects on Ni ₃ N/Si bilayer system. Vacuum, 2009, 83, 1448-1453.	1.6	13
99	Theoretical prediction of shape memory behavior and ferrimagnetism in Mn ₂ NiIn. Applied Physics Letters, 2009, 94, 161908.	1.5	67
100	Structural, Thermal and Magnetic Properties of Ga Excess Ni-Mn-Ga. Materials Science Forum, 2009, 635, 43-47.	0.3	4
101	Theoretical prediction and experimental study of a ferromagnetic shape memory alloy: Ni_2MnGa Physical Review B, 2008, 78, .	1.1	105
102	Xe and Ar nanobubbles in Al studied by photoemission spectroscopy. Physical Review B, 2008, 77, .	1.1	24
103	The effect of bath temperature on the electrodeposition of zinc oxide thin films via an acetate medium. Semiconductor Science and Technology, 2008, 23, 085013.	1.0	30
104	Magnetoresistance behavior of ferromagnetic shape memory alloy Ni_2MnGa Physical Review B, 2008, 77, .	1.1	49
105	Comment on "Physical and electronic structure and magnetism of Mn ₂ NiGa: Experiment and density-functional theory calculations" Physical Review B, 2008, 77, .	1.1	74
106	Influence of Ni_2MnGa on the electronic structure of Al-Mn alloys. Physical Review B, 2008, 77, .	1.1	18
107	Electronic structure of Ni_2MnGa - and Ni_2MnGa Unoccupied electronic states of Ni_2MnGa	1.1	16
108	Unoccupied electronic states of Ni_2MnGa and Ni_2MnGa	1.1	16

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109	Martensitic transition, ferrimagnetism and Fermi surface nesting in Mn ₂ NiGa. Europhysics Letters, 2007, 80, 57002.	0.7	89
110	Magnetic Compton scattering study of Ni _{2+x} Mn _{1-x} Ga ferromagnetic shape-memory alloys. Physical Review B, 2007, 75, .	1.1	45
111	Structural studies of Ni _{2+x} Mn _{1-x} Ga by powder x-ray diffraction and total energy calculations. Physical Review B, 2007, 75, .	1.1	90
112	Growth and electronic structure of Mn on Al(111). Surface Science, 2007, 601, 609-614.	0.8	12
113	Synthesis of type-II textured tungsten disulfide thin films with bismuth interfacial layer as a texture promoter. Thin Solid Films, 2007, 515, 2935-2942.	0.8	10
114	Formation of $\sqrt{3}\times\sqrt{3}$ texture of tungsten disulfide thin films with nickel. Applied Surface Science, 2007, 253, 3489-3495.	3.1	8
115	Understanding the 2p core-level spectra of manganese: Photoelectron spectroscopy experiments and Anderson impurity model calculations. Physical Review B, 2007, 75, .	1.1	25
116	Powder x-ray diffraction study of the thermoelastic martensitic transition in Ni ₂ Mn _{1.05} Ga _{0.95} . Physical Review B, 2006, 74, .	1.1	74
117	Phase diagram and electronic structure of Ni _{2+x} Mn _{1-x} Ga. Physical Review B, 2006, 74, .	1.1	50
118	X-ray photoelectron spectroscopy study of sputter-annealed Ni _{2.1} Mn _{0.9} Ga surface. Applied Surface Science, 2006, 252, 3380-3385.	3.1	9
119	Surface composition and electronic structure of Ni _{2+x} Mn _{1-x} Ga studied by X-ray photoelectron spectroscopy. Surface Science, 2006, 600, 3749-3752.	0.8	4
120	Core and valence level photoemission and photoabsorption study of icosahedral Al ₇₀ Pd ₂₁ Mn _{8.5} quasicrystals. Journal of Physics Condensed Matter, 2006, 18, 435-448.	0.7	16
121	Growth and electronic structure of alkali-metal adlayers on icosahedral Al _{70.5} Pd ₂₁ Mn _{8.5} . Physical Review B, 2006, 73, .	1.1	21
122	Optimal operating conditions and characteristics of acetone- CaF_2 detector for inverse photoemission spectroscopy. Review of Scientific Instruments, 2005, 76, 066102.	0.6	19
123	Structural and electronic properties of Ni ₂ MnGa. Physical Review B, 2005, 72, .	1.1	108
124	Influence of Ni doping on the electronic structure of Ni ₂ MnGa. Physical Review B, 2005, 72, .	1.1	67
125	Large negative magnetoresistance in a ferromagnetic shape memory alloy: Ni _{2+x} Mn _{1-x} Ga. Applied Physics Letters, 2005, 86, 202508.	1.5	138
126	Atomic-scale structure of the fivefold surface of an AlPdMn quasicrystal: A quantitative x-ray photoelectron diffraction analysis. Physical Review B, 2004, 69, .	1.1	43

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127	Argon Nanobubbles in Al(111): A Photoemission Study. <i>Physical Review Letters</i> , 2004, 92, 115506.	2.9	32
128	Collective excitations on silver surfaces studied by photoyield. <i>Surface Science</i> , 2004, 566-568, 538-543.	0.8	15
129	Electronic excitations on silver surfaces. <i>Physical Review B</i> , 2004, 69, .	1.1	33
130	Versatile UHV compatible Knudsen type effusion cell. <i>Review of Scientific Instruments</i> , 2004, 75, 4467-4470.	0.6	32
131	XPS and LEED study of Argon bombarded Al(111) surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 212, 297-302.	0.6	9
132	Plasmons in core-level photoemission spectra of Al(111). <i>Physical Review B</i> , 2003, 67, .	1.1	55
133	Photoexcited collective modes in thin alkali layers adsorbed on Al. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 182, 102-108.	0.6	3
134	Collective excitations in alkali metals on Al(111). <i>Physical Review B</i> , 2001, 64, .	1.1	17
135	Quantum Well Behavior without Confining Barrier Observed via Dynamically Screened Photon Field. <i>Physical Review Letters</i> , 2001, 86, 5108-5111.	2.9	22
136	Photon-excited collective modes in a surface alloy. <i>Physical Review B</i> , 2000, 61, 12721-12724.	1.1	4
137	Photoemission study of electronic excitations at clean metal surfaces and thin metal films. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, 519-527.	1.1	10
138	Comparative study of the L23â€M45M45 Auger decay in CuO and Cu using synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 181-188.	0.8	11
139	Electronic band structure of zinc blende. <i>Physical Review B</i> , 1998, 58, 7053-7058.	1.1	7
140	Photoinduced plasmon excitations in alkali-metal overlayers. <i>Physical Review B</i> , 1998, 57, 6662-6665.	1.1	32
141	Enhanced surface metallic density of states in icosahedral quasicrystals. <i>Physical Review B</i> , 1998, 58, 734-738.	1.1	44
142	Collective and single-particle excitations in the photoyield spectrum of Al. <i>Physical Review B</i> , 1998, 58, R4285-R4288.	1.1	27
143	Valence band discontinuity at a cubic GaN/GaAs heterojunction measured by synchrotron-radiation photoemission spectroscopy. <i>Applied Physics Letters</i> , 1997, 70, 2407-2409.	1.5	56
144	Evolution of Spectral Functions in Doped Transition Metal Oxides. <i>International Journal of Modern Physics B</i> , 1997, 11, 3849-3857.	1.0	17

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145	Theoretical analysis of x-ray-absorption near-edge fine structure at the O and metal K edges of LaFeO ₃ and LaCoO ₃ . Physical Review B, 1997, 56, 2228-2233.	1.1	48
146	Electronic structure of early 3d-transition-metal oxides by analysis of the 2p core-level photoemission spectra. Physical Review B, 1996, 53, 1161-1170.	1.1	319
147	Novel spectral evolution with electron doping in d ⁰ transition metal oxides. Physica B: Condensed Matter, 1996, 223-224, 496-500.	1.3	4
148	Core electron spectroscopic studies of YNi ₂ B ₂ C. Solid State Communications, 1996, 98, 813-817.	0.9	7
149	Core electron spectroscopic studies of YNi ₂ B ₂ C. Solid State Communications, 1996, 99, 23-27.	0.9	7
150	The electronic structure of intermetallic borocarbide and related superconductors from high energy spectroscopy. Journal of Low Temperature Physics, 1996, 105, 1617-1622.	0.6	0
151	Order-disorder and electronic transitions in Ag ₂ + ¹ S single crystals studied by photoemission spectroscopy. Physical Review B, 1996, 53, 3746-3751.	1.1	17
152	Spectral functions in doped transition metal oxides. Europhysics Letters, 1996, 36, 307-312.	0.7	53
153	Electronic structures of gallium and indium across the solid-liquid transition. Physical Review B, 1995, 51, 4007-4013.	1.1	39
154	Electronic Structure of Transition Metal Compounds. Springer Series in Solid-state Sciences, 1995, , 126-138.	0.3	2
155	Dielectric function and optical conductivity of TiO _x (0.8 < x < 1.3) determined from electron energy-loss spectroscopy. Physical Review B, 1995, 52, 14526-14530.	1.1	17
156	Band Theory for Ground-State Properties and Excitation Spectra of Perovskite LaMO ₃ (M=Mn, Fe, Co). <small>Tj ETQq0 0 0 rgBT / Overlock 10 Tf 259 / 266</small>		
157	Photoelectron-spectroscopy investigation of the spin-state transition in LaCoO ₃ . Physical Review B, 1994, 49, 13979-13982.	1.1	49
158	Covalency-driven unusual metal-insulator transition in nickelates. Physical Review B, 1994, 49, 8475-8478.	1.1	105
159	Methanol oxidation on carbon-supported platinum-tin electrodes in sulfuric acid. Journal of Power Sources, 1994, 50, 295-309.	4.0	83
160	Electro-oxidation of Methanol in Sulfuric Acid Electrolyte on Platinized Carbon Electrodes with Several Functional Group Characteristics. Journal of the Electrochemical Society, 1994, 141, 1517-1522.	1.3	102
161	Electronic structure of TiO _x (0.8 < x < 1.3) with disordered and ordered vacancies. Physical Review B, 1994, 49, 16141-16148.	1.1	42
162	An X-ray photoelectron spectroscopic study on platinised carbons with varying functional-group characteristics. Journal of Electroanalytical Chemistry, 1993, 352, 337-343.	1.9	12

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163	Importance of dynamical effects in determining the Auger spectral shape: L ₂₃ -M ₄₅ M ₄₅ spectra of Fe, Co, and Cu. <i>Physical Review B</i> , 1993, 48, 6822-6831.	1.1	41
164	Resolution of the Negative U Problem in Early Transition Metals: A Reinterpretation of the L _V Auger Spectra. <i>Physica Scripta</i> , 1992, T41, 184-186.	1.2	17
165	Investigation of the L ₃ -M ₄₅ M ₄₅ Auger spectra of Cu, Cu ₂ O and CuO. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 7607-7616.	0.7	36
166	Synchrotron Study of the Dynamical Effects in the L _V Auger Transitions in the First-Row Transition Elements. <i>Physica Scripta</i> , 1992, T41, 187-189.	1.2	5
167	Domain Structures across the Martensitic Transformation in Ni _{2+x} Mn _{1-x} Ga. <i>Materials Science Forum</i> , 0, 635, 69-74.	0.3	0
168	Surface Study of Ni ₂ MnGa(100). <i>Materials Science Forum</i> , 0, 684, 215-230.	0.3	6