Matej Jergel

List of Publications by Year in descending order

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300 papers	2,592 citations	318942 23 h-index	425179 34 g-index
304 all docs	304 docs citations	304 times ranked	2900 citing authors

#	Article	IF	Citations
1	Simultaneous measurement of X-ray scattering and photoluminescence during molecular deposition. Journal of Luminescence, 2022, 248, 118950.	1.5	1
2	Wettability of MXene films. Journal of Colloid and Interface Science, 2022, 622, 759-768.	5.0	8
3	Mesoporous SnO₂ Nanoparticle-Based Electron Transport Layer for Perovskite Solar Cells. ACS Applied Nano Materials, 2022, 5, 7822-7830.	2.4	9
4	Grafting density and antifouling properties of poly[N-(2-hydroxypropyl) methacrylamide] brushes prepared by â€œgrafting toâ€•and â€œgrafting fromâ€• Polymer Chemistry, 2022, 13, 3815-3826.	1.9	17
5	Friction control by engineering the crystallographic orientation of the lubricating few-layer MoS2 films. Applied Surface Science, 2021, 540, 148328.	3.1	8
6	Crystallization of 2D Hybrid Organicâ€“Inorganic Perovskites Templated by Conductive Substrates. Advanced Functional Materials, 2021, 31, 2009007.	7.8	14
7	Nanoimaging of Orientational Defects in Semiconducting Organic Films. Journal of Physical Chemistry C, 2021, 125, 9229-9235.	1.5	8
8	Orientation of Few-Layer MoS₂ Films: In-Situ X-ray Scattering Study During Sulfurization. Journal of Physical Chemistry C, 2021, 125, 9461-9468.	1.5	7
9	A high-throughput assembly of beam-shaping channel-cut monochromators for laboratory high-resolution X-ray diffraction and small-angle X-ray scattering experiments. Journal of Applied Crystallography, 2021, 54, 730-738.	1.9	0
10	Structural and Trapâ€State Density Enhancement in Flash Infrared Annealed Perovskite Layers. Advanced Materials Interfaces, 2021, 8, 2100355.	1.9	8
11	Targeting acute myeloid leukemia cells by CD33 receptor-specific MoS2-based nanoconjugates. Biomedical Materials (Bristol), 2021, 16, 055009.	1.7	1
12	Combined in Situ Photoluminescence and X-ray Scattering Reveals Defect Formation in Lead-Halide Perovskite Films. Journal of Physical Chemistry Letters, 2021, 12, 10156-10162.	2.1	15
13	On the extraction of MoO x photothermally active nanoparticles by gel filtration from a byproduct of few-layer MoS2 exfoliation. Nanotechnology, 2021, 32, 045708.	1.3	2
14	Facile fabrication of Ti3C2 MXene nanosheets and their Photothermal properties. , 2021, , .		0
15	Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. CrystEngComm, 2020, 22, 7095-7103.	1.3	2
16	Langmuir films of low-dimensional nanomaterials. Advances in Colloid and Interface Science, 2020, 283, 102239.	7.0	19
17	Uniaxial strengthening of the polyamide film by the aligned carbon nanotubes. Materials Today Communications, 2020, 25, 101432.	0.9	2
18	Collapse Mechanism in Few-Layer MoS₂Langmuir Films. Journal of Physical Chemistry C, 2020, 124, 15856-15861.	1.5	7

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19	Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-ray Scattering. Crystal Growth and Design, 2020, 20, 5269-5276.	1.4	5
20	A bioconjugated MoS₂ based nanoplatform with increased binding efficiency to cancer cells. Biomaterials Science, 2020, 8, 1973-1980.	2.6	8
21	Reorientation of Ï€-conjugated molecules on few-layer MoS₂ films. Physical Chemistry Chemical Physics, 2020, 22, 3097-3104.	1.3	11
22	Langmuirâ€“Scheaffer Technique as a Method for Controlled Alignment of 1D Materials. Langmuir, 2020, 36, 4540-4547.	1.6	15
23	Real-time tracking of the self-assembled growth of a 3D Ge quantum dot lattice in an alumina matrix. Journal of Applied Crystallography, 2020, 53, 1029-1038.	1.9	3
24	Study of subsurface damage in Ge optics machined by SPDT. , 2020, , .		0
25	Effect of the doping of PC61BM electron transport layer with carbon nanodots on the performance of inverted planar MAPbI3 perovskite solar cells. Solar Energy, 2019, 189, 426-434.	2.9	15
26	Tailored Langmuirâ€“Schaefer Deposition of Few-Layer MoS₂ Nanosheet Films for Electronic Applications. Langmuir, 2019, 35, 9802-9808.	1.6	22
27	Diindenoperylene thin-film structure on MoS2 monolayer. Applied Physics Letters, 2019, 114, .	1.5	14
28	Highly Crystalline MoS₂ Thin Films Fabricated by Sulfurization. Physica Status Solidi (B): Basic Research, 2019, 256, 1900342.	0.7	4
29	An elevated concentration of MoS2 lowers the efficacy of liquid-phase exfoliation and triggers the production of MoOx nanoparticles. Physical Chemistry Chemical Physics, 2019, 21, 12396-12405.	1.3	14
30	Exploiting the potential of beam-compressing channel-cut monochromators for laboratory high-resolution small-angle X-ray scattering experiments. Journal of Applied Crystallography, 2019, 52, 498-506.	1.9	4
31	Tailoring the interparticle distance in Langmuir nanoparticle films. Physical Chemistry Chemical Physics, 2019, 21, 9553-9563.	1.3	9
32	Characterization of the chips generated by the nanomachining of germanium for X-ray crystal optics. International Journal of Advanced Manufacturing Technology, 2019, 102, 2757-2767.	1.5	3
33	Graphene Langmuir-Schaefer films Decorated by Pd Nanoparticles for NO₂ and H₂ Gas Sensors. Measurement Science Review, 2019, 19, 64-69.	0.6	7
34	Response of alumina resistance to trace concentrations of acetone vapors at room temperature. Journal of Electrical Engineering, 2019, 70, 122-126.	0.4	3
35	Cross-sectional TEM study of subsurface damage in SPDT machining of germanium optics. Applied Optics, 2018, 57, 1940.	0.9	11
36	Finishing of Ge nanomachined surfaces for X-ray crystal optics. International Journal of Advanced Manufacturing Technology, 2018, 96, 3603-3617.	1.5	5

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37	Thickness Effect on Structural Defect-Related Density of States and Crystallinity in P3HT Thin Films on ITO Substrates. Journal of Physical Chemistry C, 2018, 122, 5881-5887.	1.5	22
38	On the formation of hydrophobic carbon quantum dots Langmuir films and their transfer onto solid substrates. Diamond and Related Materials, 2018, 83, 170-176.	1.8	10
39	Chemical Oxidation of Graphite: Evolution of the Structure and Properties. Journal of Physical Chemistry C, 2018, 122, 929-935.	1.5	38
40	Effect of etching time on structure of p-type porous silicon. Applied Surface Science, 2018, 461, 44-47.	3.1	17
41	Differently sintered TiOx hole blocking layers for solution processed solar cells. Applied Surface Science, 2018, 461, 54-60.	3.1	2
42	Real-Time Monitoring of Growth and Orientational Alignment of Pentacene on Epitaxial Graphene for Organic Electronics. ACS Applied Nano Materials, 2018, 1, 2819-2826.	2.4	21
43	Control of interparticle distance of ordered iron-oxide nanoparticle assemblies by means of surfactant design. AIP Conference Proceedings, 2018, , .	0.3	2
44	Label-free tracking of nanosized graphene oxide cellular uptake by confocal Raman microscopy. Analyst, The, 2018, 143, 3686-3692.	1.7	14
45	Kinetics of copper growth on graphene revealed by time-resolved small-angle x-ray scattering. Physical Review B, 2017, 95, .	1.1	7
46	Kinetics of Polymerâ€“Fullerene Phase Separation during Solvent Annealing Studied by Table-Top X-ray Scattering. ACS Applied Materials & Interfaces, 2017, 9, 8241-8247.	4.0	11
47	Fast low-temperature plasma reduction of monolayer graphene oxide at atmospheric pressure. Nanotechnology, 2017, 28, 145601.	1.3	22
48	Effect of crystallinity on UV degradability of poly[methyl(phenyl)silane] by energy-resolved electrochemical impedance spectroscopy. AIP Advances, 2017, 7, .	0.6	6
49	Palladium/Î³-Fe2O3 nanoparticle mixtures for acetone and NO2 gas sensors. Sensors and Actuators B: Chemical, 2017, 243, 895-903.	4.0	38
50	Thermal stability of Î³-Fe₂O₃nanoparticles and their employment for sensing of acetone vapours. Journal of Physics: Conference Series, 2017, 939, 012009.	0.3	4
51	Cyclopean gauge factor of the strain-resistance transduction of indium oxide films. IOP Conference Series: Materials Science and Engineering, 2016, 108, 012043.	0.3	3
52	Reliable determination of the fewâ€layer graphene oxide thickness using Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 391-394.	1.2	49
53	Few-layer Graphene Langmuir-schaefer Nanofilms for H 2 Gas Sensing. Procedia Engineering, 2016, 168, 243-246.	1.2	4
54	Towards high-flux X-ray beam compressing channel-cut monochromators. Journal of Applied Crystallography, 2016, 49, 1885-1892.	1.9	5

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55	Colossal strain-resistance transduction of indium oxide films. Thin Solid Films, 2016, 616, 27-33.	0.8	1
56	Waste heat recovery in solid-state lighting based on thin film thermoelectric generators. Sustainable Energy Technologies and Assessments, 2016, 18, 1-5.	1.7	3
57	Advanced optical characterization of nanostructures and nanomaterials in the X-ray range. , 2016, , .		0
58	In Situ X-Ray Reciprocal Space Mapping for Characterization of Nanomaterials. , 2016, , 507-544.		1
59	Nano-machining for advanced X-ray crystal optics. AIP Conference Proceedings, 2016, , .	0.3	3
60	Real-time SAXS study of a strain gauge based on a self-assembled gold nanoparticle monolayer. Sensors and Actuators A: Physical, 2016, 241, 87-95.	2.0	4
61	Nanoparticle crystal formation by solvent-assisted nanoparticle self-assembly probedin situby grazing-incidence small-angle X-ray scattering. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s391-s391.	0.0	0
62	Towards organic solar cells without the hole transporting layer on the plasmonâ€enhanced ITO electrode. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 867-876.	0.8	2
63	Evaluation of low-cadmium ZnCdSeS alloyed quantum dots for remote phosphor solid-state lighting technology. Applied Optics, 2015, 54, 7094.	2.1	5
64	Calculations and surface quality measurements of high-asymmetry angle x-ray crystal monochromators for advanced x-ray imaging and metrological applications. Optical Engineering, 2015, 54, 035101.	0.5	6
65	In-situ GISAXS monitoring of ultrashort period W/B₄C multilayer x-ray mirror growth. Proceedings of SPIE, 2015, , .	0.8	4
66	A Brief History of Nanoscience and Foresight in Nanotechnology. NATO Science for Peace and Security Series C: Environmental Security, 2015, , 63-86.	0.1	5
67	Application of the paracrystal model to GISAXS analysis of the 3D self-assembled nanoparticle crystals. Physica Status Solidi (B): Basic Research, 2014, 251, 1169-1177.	0.7	2
68	Simulations and surface quality testing of high asymmetry angle x-ray crystal monochromators for advanced x-ray imaging applications. Proceedings of SPIE, 2014, , .	0.8	0
69	Nitrogen Dioxide and Acetone Sensors Based on Iron Oxide Nanoparticles. Key Engineering Materials, 2014, 605, 318-321.	0.4	1
70	Sensitivity and long-term stability of γ-Fe<inf>2</inf>O<inf>3</inf> and CoFe<inf>2</inf>O<inf>4</inf> nanoparticle gas sensors for NO<inf>2</inf>, CO and acetone sensing — A comparative study. , 2014, , .		1
71	Reassembly and Oxidation of a Silver Nanoparticle Bilayer Probed by in Situ X-ray Reciprocal Space Mapping. Journal of Physical Chemistry C, 2014, 118, 7195-7201.	1.5	3
72	A non-equilibrium transient phase revealed by in situ GISAXS tracking of the solvent-assisted nanoparticle self-assembly. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	2

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73	Towards new multifunctional coatings for organic photovoltaics. Solar Energy Materials and Solar Cells, 2014, 125, 127-132.	3.0	13
74	The benefit of the European User Community from transnational access to national radiation facilities. Journal of Synchrotron Radiation, 2014, 21, 638-639.	1.0	2
75	Reciprocal space mapping of silver nanoparticle array re-assembly and oxidation. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C745-C745.	0.0	0
76	Preparation of sterically stabilized gold nanoparticles for plasmonic applications. Chemical Papers, 2013, 67, .	1.0	6
77	Preparation of gold nanoparticles for plasmonic applications. Thin Solid Films, 2013, 543, 138-141.	0.8	21
78	Potential use of V-channel Ge(220) monochromators in X-ray metrology and imaging. Journal of Applied Crystallography, 2013, 46, 945-952.	1.9	8
79	Extreme X-ray beam compression for a high-resolution table-top grazing-incidence small-angle X-ray scattering setup. Journal of Applied Crystallography, 2013, 46, 1544-1550.	1.9	7
80	Process-induced inhomogeneities in higher asymmetry angle x-ray monochromators. , 2013, , .		2
81	Nitric Dioxide and Acetone Sensors Based on Iron Oxide Nanoparticles. Sensor Letters, 2013, 11, 2322-2326.	0.4	12
82	Extreme X-ray beam compression for high-resolution GISAXS studies. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s616-s616.	0.3	1
83	Gas sensing properties and electrical resistance of Langmuir-Blodgett iron oxide nanoparticle arrays. , 2012, , .		0
84	GISAXS analysis of 3D nanoparticle assembliesâ€"effect of vertical nanoparticle ordering. Nanotechnology, 2012, 23, 045704.	1.3	16
85	Nanoparticle Langmuir-Blodgett Arrays for Sensing of CO and NO2 Gases. Physics Procedia, 2012, 32, 152-156.	1.2	2
86	Nonequilibrium Phases of Nanoparticle Langmuir Films. Langmuir, 2012, 28, 10409-10414.	1.6	33
87	Silver Nanoparticle Monolayer-to-Bilayer Transition at the Air/Water Interface as Studied by the GISAXS Technique: Application of a New Paracrystal Model. Langmuir, 2012, 28, 9395-9404.	1.6	27
88	Oxide nanoparticle arrays for sensors of CO and NO2 gases. Vacuum, 2012, 86, 590-593.	1.6	15
89	In situGISAXS study of a nanoparticle Langmuir film formation for plasmonic applications. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s237-s237.	0.3	0
90	Scanning magneto-optical Kerr microscope with auto-balanced detection scheme. Review of Scientific Instruments, 2011, 82, 083706.	0.6	5

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91	Behavior of giant magnetoresistance in Coâ€“Cuâ€“Co pseudo spin-valves after magnetic annealing. Thin Solid Films, 2011, 520, 667-673.	0.8	6
92	In situ GISAXS monitoring of Langmuir nanoparticle multilayer degradation processes induced by UV photolysis. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2629-2634.	0.8	11
93	GISAXS study of interfaces in high-performance La/B4C multilayer mirrors. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C335-C336.	0.3	0
94	Structure and microstructure of EB-PVD yttria thin films grown on Si (111) substrate. Vacuum, 2010, 85, 535-540.	1.6	3
95	On ultra-thin oxide/Si and very-thin oxide/Si structures prepared by wet chemical process. Applied Surface Science, 2010, 256, 5757-5764.	3.1	6
96	Interface study of a high-performance W/B₄C X-ray mirror. Journal of Applied Crystallography, 2010, 43, 1431-1439.	1.9	17
97	Towards strain gauges based on a self-assembled nanoparticle monolayerâ€”SAXS study. Nanotechnology, 2010, 21, 385702.	1.3	33
98	Modified Langmuir-Blodgett deposition of nanoparticles - measurement of 2D to 3D ordered arrays. Measurement Science Review, 2010, 10, .	0.6	32
99	Measurement of nanopatterned surfaces by real and reciprocal space techniques. Measurement Science Review, 2010, 10, .	0.6	11
100	Kinetics of Nanoparticle Reassembly Mediated by UV-Photolysis of Surfactant. Langmuir, 2010, 26, 5451-5455.	1.6	17
101	On Similar Electrical, Optical and Structural Properties of MOS Structures Prepared on a-Si:H/c-Si, Porous Silicon/c-Si, and c-Si. Materials Science Forum, 2009, 609, 11-25.	0.3	0
102	GISAXS-based optimization of La/B4C multilayer mirrors for soft X-ray FEL. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s61-s61.	0.3	0
103	Relationship between effective ionic radii, structure and electro-mechanical properties of zirconia stabilized with rare earth oxides M2O3 (MÂ=ÂYb, Y, Sm). Journal of Materials Science, 2009, 44, 234-243.	1.7	11
104	Real-time tracking of nanoparticle self-assembling using GISAXS. Superlattices and Microstructures, 2009, 46, 286-290.	1.4	4
105	Characterization of Mo/Si soft X-ray multilayer mirrors by grazing-incidence small-angle X-ray scattering. Vacuum, 2009, 84, 19-25.	1.6	27
106	Structural characteristics and morphology of SmxCe1âˆ’xO2âˆ’x/2 thin films. Applied Surface Science, 2009, 255, 9085-9091.	3.1	8
107	Structure and electrical conductivity of multicomponent metal oxides having scheelite structure. Russian Journal of Electrochemistry, 2009, 45, 621-629.	0.3	23
108	Annealing behaviour of structural and magnetic properties of evaporated Co thin films. Journal Physics D: Applied Physics, 2009, 42, 135406.	1.3	27

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109	Fabrication and Characterization of Hybrid Tunnel Magnetoresistance Structures with Embedded Self-Assembled Nanoparticle Templates. Acta Physica Polonica A, 2009, 115, 332-335.	0.2	3
110	Reproducibility in X-ray reflectometry: results from the first world-wide round-robin experiment. Journal of Applied Crystallography, 2008, 41, 143-152.	1.9	47
111	Realâ€Time Tracking of Superparamagnetic Nanoparticle Selfâ€Assembly. Small, 2008, 4, 2222-2228.	5.2	23
112	The international VAMAS project on X-ray reflectivity measurements for evaluation of thin films and multilayers â€" Preliminary results from the second round-robin. Thin Solid Films, 2008, 516, 7962-7966.	0.8	13
113	Passivation of defect states in Si-based and GaAs structures. Applied Surface Science, 2008, 254, 8059-8066.	3.1	3
114	On determination of properties of ultrathin and very thin silicon oxide layers by FTIR and X - ray reflectivity. Materials Research Society Symposia Proceedings, 2008, 1066, 1.	0.1	2
115	Multilayers with Ultra-Short Periods. , 2008, , 389-406.		2
116	Thermally induced structural transformation in Co films for giant magnetoresistance spin valves. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C557-C557.	0.3	0
117	Self-assembly of iron oxide nanoparticles studied by time-resolved grazing-incidence small-angle x-ray scattering. Physical Review B, 2007, 76, .	1.1	32
118	Correlation between x-ray reciprocal space maps and magnetic properties of current-induced magnetization switching pseudospin valve structures. Journal of Applied Physics, 2007, 101, 033538.	1.1	1
119	Advanced nanometer-size structures. Acta Physica Slovaca, 2007, 57, .	1.4	2
120	On interface properties of ultra-thin and very-thin oxide/a-Si:H structures prepared by oxygen based plasmas and chemical oxidation. Applied Surface Science, 2007, 253, 6697-6715.	3.1	1
121	Structure and magnetic properties of CoFe2O4 and Fe3O4 nanoparticles. Materials Science and Engineering C, 2007, 27, 1415-1417.	3.8	23
122	Effect of composition changes on properties and defect structure of crystalline Sm-doped ZrO2. Russian Journal of Electrochemistry, 2007, 43, 381-389.	0.3	6
123	Influence of annealing on the critical temperature of Biâ€"Pbâ€"Srâ€"Caâ€"Cuâ€"O thin films. Journal of Materials Science: Materials in Electronics, 2007, 18, 1167-1170.	1.1	3
124	On a presence of SimHn clusters in a-Si:H/c-Si structures. Applied Surface Science, 2006, 252, 7722-7725.	3.1	7
125	Passivation of Si and a-Si:H surfaces by thin oxide and oxy-nitride layers. Applied Surface Science, 2006, 252, 7713-7721.	3.1	2
126	Nanometer-scale period Sc/Cr multilayer mirrors and their thermal stability. Thin Solid Films, 2006, 497, 115-120.	0.8	13

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127	Intrinsic anomalous surface roughening of TiN films deposited by reactive sputtering. Physical Review B, 2006, 73, .	1.1	54
128	Ultrashort period Cu/Si and Ni/C multilayers for X-ray mirrors. , 2006, , 305-310.		0
129	<title>UV sub-ps laser pulse patterning of Mo/Si and W/Si multilayers for soft x-ray gratings</title>. , 2005, 5850, 264.		0
130	Giant magnetoreistance in evaporated nanometer scale Fe/W and Co/W multilayers. Applied Surface Science, 2005, 243, 62-67.	3.1	6
131	Growth of gadolinium oxide films for advanced MOS structure. Microelectronic Engineering, 2005, 80, 154-157.	1.1	22
132	Growth dynamics of reactive-sputtering-deposited AlN films. Journal of Applied Physics, 2005, 97, 123528.	1.1	35
133	<title>Investigation of electrical, structural, and optical properties of very thin oxide/a-Si:H/c-Si interfaces passivated by cyanide treatment</title>. , 2004, 5774, 481.		1
134	Elemental depth profiles of MgB2/Si precursor and superconducting films. Nuclear Instruments & Methods in Physics Research B, 2004, 219-220, 768-772.	0.6	0
135	Growth of lanthanum oxide films for application as a gate dielectric in CMOS technology. Materials Science in Semiconductor Processing, 2004, 7, 231-236.	1.9	33
136	Raman scattering study of phonons in Bi-based superconductor thin films. Physica C: Superconductivity and Its Applications, 2004, 416, 11-16.	0.6	1
137	Structure and morphology evolution of ALN films grown by DC sputtering. Surface and Coatings Technology, 2004, 180-181, 140-144.	2.2	44
138	Photoluminescence, structural and electrical properties of passivated a-Si:H based thin films and corresponding solar cells. Applied Surface Science, 2004, 235, 351-363.	3.1	4
139	X-ray and optical investigation of KCN and HCN passivated structures based on amorphous silicon. Applied Surface Science, 2004, 235, 364-371.	3.1	0
140	CORRELATION BETWEEN MICROSCOPIC AND MACROSCOPIC PROPERTIES OF YTTRIA-STABILIZED ZIRCONIA THIN FILMS. , 2004, , .		1
141	Thin Film Electrolytes: Yttria Stabilized Zirconia and Ceria. Russian Journal of Electrochemistry, 2003, 39, 478-486.	0.3	4
142	Sub-ps laser microstructuring of soft X-ray Mo/Si multilayer gratings. Applied Physics A: Materials Science and Processing, 2003, 76, 763-766.	1.1	1
143	Low-energy particle treatment of GaAs surface. Thin Solid Films, 2003, 433, 108-113.	0.8	2
144	TiN/AlN bilayers and multilayers grown by magnetron co-sputtering. Thin Solid Films, 2003, 433, 211-216.	0.8	13

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145	Study of the superconducting MgB2 films by ion beam analysis methods. Thin Solid Films, 2003, 433, 103-107.	0.8	4
146	Photoluminescence properties of a-Si:H based thin films and corresponding solar cells. Thin Solid Films, 2003, 433, 344-351.	0.8	3
147	Intermixing at interfaces of KrF laser irradiated Co/W multilayers. Applied Surface Science, 2003, 208-209, 394-398.	3.1	9
148	Composition depth profiles of superconducting MgB2 thin films determined by ion beam analysis methods. Physica C: Superconductivity and Its Applications, 2003, 383, 287-294.	0.6	11
149	The current test results for two models of HTS cables on CASAT project. IEEE Transactions on Applied Superconductivity, 2003, 13, 1964-1967.	1.1	7
150	RBS characterization of MgB2superconducting films annealedex situandin situ. Superconductor Science and Technology, 2003, 16, 879-884.	1.8	7
151	<title>Laser-irradiation-induced diffusion in metallic multilayers</title>. , 2002, 4762, 75.		0
152	Intermixing at interfaces of Fe/W multilayers. Materials Science and Engineering C, 2002, 19, 139-143.	3.8	11
153	Excimer laser-induced intermixing in irradiated Co/Ag nanometric bilayers and trilayers. Materials Science and Engineering C, 2002, 19, 145-149.	3.8	2
154	Raman study on Biâ€“Pbâ€“Srâ€“Caâ€“Cuâ€“O superconductor thin films grown by spray pyrolysis on several types of substrate. Thin Solid Films, 2002, 414, 123-128.	0.8	1
155	About an influence of Ar ion beam of very low energy on a-Si:H properties. Vacuum, 2002, 67, 149-153.	1.6	3
156	Properties of semiconductor surfaces covered with very thin insulating overlayers prepared by impacts of low-energy particles. Vacuum, 2002, 67, 131-141.	1.6	5
157	Direct control of medium range order in a Ni modified Finemet-type alloy. Journal of Non-Crystalline Solids, 2001, 287, 167-170.	1.5	5
158	Effect of substrate heating and ion beam polishing on the interface quality in Mo/Si multilayersâ€”X-ray comparative study. Physica B: Condensed Matter, 2001, 305, 14-20.	1.3	9
159	Study of the fluorine content in precursor and Tl-based thin films by resonant nuclear reaction method. Physica C: Superconductivity and Its Applications, 2001, 354, 353-357.	0.6	4
160	Influence of substrate and precursor film composition on morphology and superconducting transition of Tl-2212 thin films characterized by microwaves. Physica C: Superconductivity and Its Applications, 2001, 354, 429-432.	0.6	8
161	Ohmic resistance of thin yttria stabilized zirconia film and electrodeâ€“electrolyte contact area. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 167-175.	1.7	14
162	The thermal stability of tungsten/silicon multilayered nanostructures. Materials Science and Engineering C, 2001, 15, 187-189.	3.8	1

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163	Magnetization and Magnetic Anisotropy of Co/W Multilayers. Physica Status Solidi (B): Basic Research, 2001, 225, 449-457.	0.7	9
164	Coplanar and non-coplanar x-ray reflectivity characterization of lateral W/Si multilayer gratings. Journal Physics D: Applied Physics, 2001, 34, A188-A192.	1.3	34
165	9 MeV Au ion implantation into Ti and Ti-6Al-4V. Journal of Materials Science, 2001, 36, 503-510.	1.7	17
166	Co/Si/W/Si Multilayers with Enhanced Thermal Stability for Soft X-Ray and UV Optics. Materials Science Forum, 2001, 378-381, 364-369.	0.3	0
167	Ion beam studies of Tl-based superconducting films prepared from fluorides. Superconductor Science and Technology, 2001, 14, 90-95.	1.8	3
168	Interface study of a Co/Si/W/Si multilayer with enhanced thermal stability. Journal of Applied Crystallography, 2000, 33, 753-757.	1.9	24
169	Metal oxide/silicon oxide multilayer with smooth interfaces produced by in situ controlled plasma-enhanced MOCVD. Thin Solid Films, 2000, 358, 90-93.	0.8	20
170	Structure and in-depth concentrations in excimer laser irradiated Pbâ€“Co codeposited films. Thin Solid Films, 2000, 359, 141-145.	0.8	5
171	Rutherford backscattering analysis of Bi-based superconducting films. Thin Solid Films, 2000, 373, 117-121.	0.8	4
172	Biâ€“Pbâ€“Srâ€“Caâ€“Cuâ€“O/MgO superconducting thin films. Thin Solid Films, 2000, 373, 122-128.	0.8	6
173	Preparation and properties of precursor Baâ€“Caâ€“Cuâ€“(O, F) thin films deposited from fluorides for superconducting Tl- and Hg-based films. Thin Solid Films, 2000, 373, 129-133.	0.8	6
174	Structure of Ag/Co multilayers on excimer laser irradiation. Thin Solid Films, 2000, 373, 216-221.	0.8	3
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