Sigrid Bernstorff

List of Publications by Year
in descending order

304	6,092	109321 35	102487 66
papers	citations	h-index	g-index

306	306	306	7430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Operando Study of Structure Degradation in Solidâ€State Dyeâ€Sensitized Solar Cells with a TiO₂ Photoanode Having Ordered Mesopore Arrays. Solar Rrl, 2022, 6, .	5.8	4
2	In Situ Observation of Morphological and Oxidation Level Degradation Processes within Ionic Liquid Post-treated PEDOT:PSS Thin Films upon Operation at High Temperatures. ACS Applied Materials & Interfaces, 2022, 14, 30802-30811.	8.0	16
3	Surface Morphology of Textured Transparent Conductive Oxide Thin Film Seen by Various Probes: Visible Light, X-rays, Electron Scattering and Contact Probe. Materials, 2022, 15, 4814.	2.9	3
4	Nanopatterning surfaces by grazing incidence swift heavy ion irradiation. Applied Surface Science, 2021, 541, 148467.	6.1	17
5	Structural, Optical and Electrical Properties of Al+MoO3 and Au+MoO3 Thin Films Prepared by Magnetron Codeposition. Materials, 2021, 14, 766.	2.9	2
6	Lipid Nanosystems and Serum Protein as Biomimetic Interfaces: Predicting the Biodistribution of a Caffeic Acid-Based Antioxidant. Nanotechnology, Science and Applications, 2021, Volume 14, 7-27.	4.6	3
7	Orientation of Few-Layer MoS₂ Films: In-Situ X-ray Scattering Study During Sulfurization. Journal of Physical Chemistry C, 2021, 125, 9461-9468.	3.1	7
8	Thickness dependent growth of Ge nanoparticles in amorphous Ge/SiO2 multilayers. Vacuum, 2021, 190, 110294.	3.5	2
9	Correlation of Thermoelectric Performance, Domain Morphology and Doping Level in PEDOT:PSS Thin Films Postâ€Treated with Ionic Liquids. Macromolecular Rapid Communications, 2021, 42, e2100397.	3.9	6
10	Hollow metal island films as plasmonic sensors produced by galvanic replacement. Surfaces and Interfaces, 2021, , 101483.	3.0	2
11	Modelling of simultaneously obtained small and wide angle synchrotron-radiation scattering depth profiles of ordered titania nanotube thin films. Materials Chemistry and Physics, 2020, 240, 122155.	4.0	1
12	Deposition of Thin Alumina Films Containing 3D Ordered Network of Nanopores on Porous Substrates. Materials, 2020, 13, 2883.	2.9	3
13	Ge Quantum Dots Coated with Metal Shells (Al, Ta, and Ti) Embedded in Alumina Thin Films for Solar Energy Conversion. ACS Applied Nano Materials, 2020, 3, 8640-8650.	5.0	10
14	Structure, self-assembly, and properties of a truncated reflectin variant. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32891-32901.	7.1	11
15	Formation of isolated Ge nanoparticles in thin continuous Ge/SiO2 multilayers. Vacuum, 2020, 179, 109508.	3.5	3
16	In Operando GISAXS and GIWAXS Stability Study of Organic Solar Cells Based on PffBT4Tâ€2OD:PC₇₁BM with and without Solvent Additive. Advanced Science, 2020, 7, 2001117.	11.2	32
17	Tailoring Morphology Compatibility and Device Stability by Adding PBDTTPD-COOH as Third Component to Fullerene-Based Polymer Solar Cells. ACS Applied Energy Materials, 2020, 3, 2604-2613.	5.1	9
18	Prediction of paclitaxel pharmacokinetic based on in vitro studies: Interaction with membrane models and human serum albumin. International Journal of Pharmaceutics, 2020, 580, 119222.	5.2	15

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19	Ge quantum dot lattices in alumina prepared by nitrogen assisted deposition: Structure and photoelectric conversion efficiency. Solar Energy Materials and Solar Cells, 2020, 218, 110722.	6.2	9
20	Lateral inhomogeneities in W/C multilayer mirrors. Thin Solid Films, 2019, 691, 137611.	1.8	1
21	Application of GISAXS in the Investigation of Three-Dimensional Lattices of Nanostructures. Crystals, 2019, 9, 479.	2.2	14
22	Structureâ€“Function Correlations in Sputter Deposited Gold/Fluorocarbon Multilayers for Tuning Optical Response. Nanomaterials, 2019, 9, 1249.	4.1	12
23	$ ewcommand{t}{eta} t$ -TaON thin films: production by reactive magnetron sputtering and the question of non-stoichiometry. Journal Physics D: Applied Physics, 2019, 52, 305304.	2.8	5
24	Preparation of non-oxidized Ge quantum dot lattices in amorphous Al₂O₃, Si₃N₄ and SiC matrices. Nanotechnology, 2019, 30, 335601.	2.6	14
25	Influence of Structure on Electronic Charge Transport in 3D Ge Nanowire Networks in an Alumina Matrix. Scientific Reports, 2019, 9, 5432.	3.3	4
26	Ionic Liquids as Post-Treatment Agents for Simultaneous Improvement of Seebeck Coefficient and Electrical Conductivity in PEDOT:PSS Films. ACS Applied Materials & Interfaces, 2019, 11, 8060-8071.	8.0	67
27	Insight into the nanostructure of anisotropic cellulose aerogels upon compression. Soft Matter, 2019, 15, 8372-8380.	2.7	12
28	Self-Assembly in ultrahigh molecular weight sphere-forming diblock copolymer thin films under strong confinement. Scientific Reports, 2019, 9, 18269.	3.3	7
29	In-Operando Study of the Effects of Solvent Additives on the Stability of Organic Solar Cells Based on PTB7-Th:PC₇₁BM. ACS Energy Letters, 2019, 4, 464-470.	17.4	60
30	Wet Imprinting of Channelâ€Type Superstructures in Nanostructured Titania Thin Films at Low Temperatures for Hybrid Solar Cells. ChemSusChem, 2018, 11, 1179-1186.	6.8	6
31	Study of the Interface Layers Between Si Nanoparticles and SiO₂ Matrix Deposited by eâ€Gun Evaporation. Physica Status Solidi (B): Basic Research, 2018, 255, 1700633.	1.5	2
32	Stress Evolution during Ge Nanoparticles Growth in a SiO₂ Matrix. Inorganic Chemistry, 2018, 57, 14939-14952.	4.0	0
33	In situ multiscale study of deformation heterogeneities in polylactideâ€based materials upon drawing: Influence of initial crystallinity and plasticization. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1452-1468.	2.1	3
34	Self-Assembly of Cellulose in Super-Cooled Ionic Liquid under the Impact of Decelerated Antisolvent Infusion: An Approach toward Anisotropic Gels and Aerogels. Biomacromolecules, 2018, 19, 4411-4422.	5.4	20
35	A Molecular Biophysical Approach to Diclofenac Topical Gastrointestinal Damage. International Journal of Molecular Sciences, 2018, 19, 3411.	4.1	18
36	Self-Ordered Voids Formation in SiO₂ Matrix by Ge Outdiffusion. Journal of Nanomaterials, 2018, 2018, 1-8.	2.7	4

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37	Codependence between Crystalline and Photovoltage Evolutions in P3HT:PCBM Solar Cells Probed with in-Operando GIWAXS. ACS Applied Materials & Interfaces, 2017, 9, 3282-3287.	8.0	27
38	The interface quality of Ge nanoparticles grown in thick silica matrix. Applied Surface Science, 2017, 414, 1-7.	6.1	7
39	Pore size control of block copolymer-templated solâ€“gel-synthesized titania films deposited via spray coating. Journal of Sol-Gel Science and Technology, 2017, 81, 346-354.	2.4	10
40	The influence of thermal annealing on the structural, optical and electrical properties of AZO thin films deposited by magnetron sputtering. Surface and Coatings Technology, 2017, 321, 292-299.	4.8	17
41	Mechanistic details of the formation and growth of nanoscale voids in Ge under extreme conditions within an ion track. Journal Physics D: Applied Physics, 2017, 50, 225302.	2.8	9
42	Morphological and Fractal Analysis of Thin Ge Films Deposited by Nanosecond Pulsed Laser Ablation. Journal of Nanoscience and Nanotechnology, 2017, 17, 4009-4016.	0.9	0
43	In Situ Study of Degradation in P3HTâ€“Titania-Based Solid-State Dye-Sensitized Solar Cells. ACS Energy Letters, 2017, 2, 991-997.	17.4	23
44	GISAXS Analysis of the In-Depth Morphology of Thick PS-b-PMMA Films. ACS Applied Materials & Interfaces, 2017, 9, 11054-11063.	8.0	24
45	Dislocation Movement Induced by Molecular Relaxations in Isotactic Polypropylene. Macromolecules, 2017, 50, 6362-6368.	4.8	23
46	On the mechanical and electrical properties of self-assembly-based organosilicate porous films. Journal of Materials Chemistry C, 2017, 5, 8599-8607.	5.5	7
47	Annealing induced semiconductor-metal transition in Ge+ITO film. Applied Physics Letters, 2017, 111, 172104.	3.3	3
48	GISAXS analysis of ion beam modified films and surfaces. Computer Physics Communications, 2017, 212, 69-81.	7.5	4
49	Low-Temperature Fabrication of Mesoporous Titania Thin Films. MRS Advances, 2017, 2, 2315-2325.	0.9	5
50	Ta2N3 nanocrystals grown in Al2O3 thin layers. Beilstein Journal of Nanotechnology, 2017, 8, 2162-2170.	2.8	2
51	Ge/Si core/shell quantum dots in alumina: tuning the optical absorption by the core and shell size. Nanophotonics, 2017, 6, 1055-1062.	6.0	22
52	Modification of semiconductor or metal nanoparticle lattices in amorphous alumina by MeV heavy ions. New Journal of Physics, 2016, 18, 093032.	2.9	6
53	Formation of swift heavy ion tracks on a rutile TiO₂ (001) surface. Journal of Applied Crystallography, 2016, 49, 1704-1712.	4.5	18
54	Influence of stress on the properties of Ge nanocrystals in an SiO₂ matrix. Journal of Applied Crystallography, 2016, 49, 1957-1966.	4.5	6

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55	Influence of RF excitation during pulsed laser deposition in oxygen atmosphere on the structural properties and luminescence of nanocrystalline ZnO:Al thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	6
56	Bixbyite-Ta2N3 thin films: Characterization and electrical properties. Journal of Alloys and Compounds, 2016, 682, 98-106.	5.5	6
57	A Low Temperature Route toward Hierarchically Structured Titania Films for Thin Hybrid Solar Cells. Advanced Functional Materials, 2016, 26, 7084-7093.	14.9	38
58	Selfâ€Assembly of the Cephalopod Protein Reflectin. Advanced Materials, 2016, 28, 8405-8412.	21.0	41
59	Closely packed Ge quantum dots in ITO matrix: influence of Ge crystallization on optical and electrical properties. Materials Research Express, 2016, 3, 065003.	1.6	3
60	Time-resolved small-angle X-ray scattering study of void fraction evolution in high-density polyethylene during stress unloading and strain recovery. Polymer International, 2015, 64, 1513-1521.	3.1	23
61	Structure and transport properties of Ge quantum dots in a SiO₂ matrix. Journal Physics D: Applied Physics, 2015, 48, 235301.	2.8	3
62	Production of three-dimensional quantum dot lattice of Ge/Si coreâ€“shell quantum dots and Si/Ge layers in an alumina glass matrix. Nanotechnology, 2015, 26, 065602.	2.6	16
63	In operando morphology investigation of inverted bulk heterojunction organic solar cells by GISAXS. Journal of Materials Chemistry A, 2015, 3, 8324-8331.	10.3	54
64	Response of GaN to energetic ion irradiation: conditions for ion track formation. Journal Physics D: Applied Physics, 2015, 48, 325304.	2.8	40
65	Polyelectrolyte Composite: Hyaluronic Acid Mixture with DNA. Macromolecules, 2015, 48, 2686-2696.	4.8	2
66	Optical and structural characterization of gold island films on glass substrates. Thin Solid Films, 2015, 591, 204-209.	1.8	5
67	A Closer Look into Two-Step Perovskite Conversion with X-ray Scattering. Journal of Physical Chemistry Letters, 2015, 6, 1265-1269.	4.6	96
68	Effect of Blend Composition and Additives on the Morphology of PCPDTBT:PC₇₁BM Thin Films for Organic Photovoltaics. ACS Applied Materials & Interfaces, 2015, 7, 21347-21355.	8.0	36
69	Effect of annealing temperature on photoluminescence and resistive switching characteristics of ZnO/Al2O3 multilayer nanostructures. Journal of Alloys and Compounds, 2015, 619, 248-252.	5.5	34
70	Crystalline plasticity in isotactic polypropylene below and above the glass transition temperature. EXPRESS Polymer Letters, 2015, 9, 894-900.	2.1	2
71	Evolution of the surface plasmon resonance of Au:TiO2 nanocomposite thin films with annealing temperature. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	27
72	Effect of bi-layer ratio in ZnO/Al2O3 multilayers on microstructure and functional properties of ZnO nanocrystals embedded in Al2O3 matrix. Applied Physics A: Materials Science and Processing, 2014, 115, 283-289.	2.3	9

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73	Self-assembled growth of Ni nanoparticles in amorphous alumina matrix. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	7
74	Recent advances in vacuum sciences and applications. Journal Physics D: Applied Physics, 2014, 47, 153001.	2.8	33
75	Synchrotron X-ray investigation of the layer spacing in a series of low molar mass bi-mesogen organosiloxane smectic materials. Phase Transitions, 2014, 87, 739-745.	1.3	0
76	Preparation and characterization of melt intercalated poly(ethylene oxide)/lithium montmorillonite nanocomposites. Thermochimica Acta, 2014, 579, 86-92.	2.7	32
77	Fe2O3/TiO2 nanoparticlesâ€"a complex structural study. Thin Solid Films, 2014, 564, 65-72.	1.8	3
78	Timescales of self-healing in human bone tissue and polymeric ionic liquids. Bioinspired, Biomimetic and Nanobiomaterials, 2014, 3, 123-130.	0.9	15
79	Selfâ€ordering of iron oxide nanoparticles covered by graphene. Physica Status Solidi (B): Basic Research, 2014, 251, 2499-2504.	1.5	2
80	Ge quantum dot lattices in Al2O3 multilayers. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	27
81	Charge storage behavior of nanostructures based on SiGe nanocrystals embedded in Al2O3 matrix. European Physical Journal B, 2013, 86, 1.	1.5	5
82	Influence of RF-sputtering power on formation of vertically stacked Si_{1âˆ'x}Ge_xnanocrystals between ultra-thin amorphous Al₂O₃layers: structural and photoluminescence properties. Journal Physics D: Applied Physics, 2013, 46, 385301.	2.8	1
83	Tuning the growth properties of Ge quantum dot lattices in amorphous oxides by matrix type. Journal of Applied Crystallography, 2013, 46, 1490-1500.	4.5	16
84	The role of dislocations in Î³-iPP under plastic deformation investigated by X-ray line profile analysis. Mechanics of Materials, 2013, 67, 126-132.	3.2	20
85	Structure and morphology of magnetron sputtered W films studied by x-ray methods. Journal Physics D: Applied Physics, 2013, 46, 095304.	2.8	33
86	GISAXS study of Si nanostructures in SiO₂ matrix for solar cell applications. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 755-759.	1.8	6
87	Growth of a three-dimensional anisotropic lattice of Ge quantum dots in an amorphous alumina matrix. Journal of Applied Crystallography, 2013, 46, 709-715.	4.5	8
88	Effect of Confinement on Melting Behavior of Cadmium Arachidate Langmuirâ€"Blodgett Multilayer. Langmuir, 2013, 29, 3950-3956.	3.5	2
89	Materials modification using ions with energies below 1MeV/u. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 143-148.	1.4	3
90	A Grazing-Incidence Small-Angle X-Ray Scattering View of Vertically Aligned ZnO Nanowires. Journal of Nanomaterials, 2013, 2013, 1-9.	2.7	2

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91	X-ray small-angle scattering from sputtered CeO2/C bilayers. Journal of Applied Physics, 2013, 113, 024301.	2.5	0
92	Co nanocrystals in amorphous multilayers â€“ a structure study. Journal of Applied Crystallography, 2013, 46, 1711-1721.	4.5	5
93	Influence of annealing conditions on the structural and photoluminescence properties of Ge quantum dot lattices in a continuous Geâ€‰+â€‰Al2 O3 film. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1516-1521.	1.8	2
94	Texture of GaAs Nanoparticles Deposited by Pulsed Laser Ablation in Different Atmospheres. ISRN Nanomaterials, 2013, 2013, 1-13.	0.7	5
95	SAXS/DSC/WAXD Study of Temperature Evolution in Nanocomposite Polymer Electrolytes with Different Nanofillers. Journal of Nanoscience and Nanotechnology, 2012, 12, 8686-8689.	0.9	0
96	Determination of ion track radii in amorphous matrices via formation of nano-clusters by ion-beam irradiation. Applied Physics Letters, 2012, 101, 103112.	3.3	10
97	Tuning the properties of Ge-quantum dots superlattices in amorphous silica matrix through deposition conditions. Journal of Applied Physics, 2012, 111, 074316.	2.5	4
98	The growth mechanism of zinc oxide and hydrozincite: a study using electron microscopies and in situ SAXS. CrystEngComm, 2012, 14, 3080.	2.6	11
99	Influence of annealing conditions on the formation of regular lattices of voids and Ge quantum dots in an amorphous alumina matrix. Nanotechnology, 2012, 23, 405605.	2.6	8
100	Amorphous-Nano-Crystalline Silicon Thin Films in Next Generation of Solar Cells. Physics Procedia, 2012, 32, 470-476.	1.2	5
101	Structural and electrical studies of ultrathin layers with Si0.7Ge0.3 nanocrystals confined in a SiGe/SiO2 superlattice. Journal of Applied Physics, 2012, 111, 104323.	2.5	10
102	Conditions for formation of germanium quantum dots in amorphous matrices by MeV ions: Comparison with standard thermal annealing. Physical Review B, 2012, 86, .	3.2	15
103	GISAXS/GIXRD View of ZnO Films with Hierarchical Structural Elements. Journal of Nanotechnology, 2012, 2012, 1-10.	3.4	4
104	Grazing-incidence small-angle X-ray scattering: application to the study of quantum dot lattices. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, 124-138.	0.3	61
105	Structural and morphological properties of Fe2O3/TiO2 nanocrystals in silica matrix. Thin Solid Films, 2012, 520, 4800-4802.	1.8	1
106	Preparation of regularly ordered Ge quantum dot lattices in amorphous matrices. Vacuum, 2012, 86, 733-736.	3.5	6
107	SAXS/DSC/WAXD study of TiO2 nanoparticles and the effect of Î³-radiation on nanopolymer electrolyte. Vacuum, 2012, 86, 750-753.	3.5	5
108	Ultra-thin high-quality silicon nitride films on Si(111). Europhysics Letters, 2011, 94, 16003.	2.0	12

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109	Electro-chemical deposition of zinc oxide nanostructures by using two electrodes. AIP Advances, 2011, 1, .	1.3	17
110	Design of quantum dot lattices in amorphous matrices by ion beam irradiation. Physical Review B, 2011, 84, .	3.2	16
111	Study of Î³-irradiated Polymer Electrolyte for Zn Rechargeable Nanostructured Galvanic Cells by SAXS/DSC/WAXD method. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 706-710.	3.7	0
112	Optical and structural properties of Au-Ag islands films forÂplasmonic applications. Applied Physics A: Materials Science and Processing, 2011, 103, 745-748.	2.3	15
113	X-ray line profile analysisâ€"An ideal tool to quantify structural parameters of nanomaterials. Jom, 2011, 63, 61-70.	1.9	42
114	Low-temperature fabrication of layered self-organized Ge clusters by RF-sputtering. Nanoscale Research Letters, 2011, 6, 341.	5.7	18
115	Pulsed laser ablation of GaAs using nano pulse length. Applied Surface Science, 2011, 257, 5358-5361.	6.1	10
116	Influence of the deposition parameters on the growth of SiGe nanocrystals embedded in Al2O3 matrix. Microelectronic Engineering, 2011, 88, 509-513.	2.4	8
117	Defects in silicon introduced by helium implantation and subsequent annealing. Radiation Physics and Chemistry, 2011, 80, 1099-1103.	2.8	3
118	Electrical Characterization of Ge Nanocrystals in Oxide Matrix. Materials Research Society Symposia Proceedings, 2011, 1305, 1.	0.1	0
119	GISAXS View of Induced Morphological Changes in Nanostructured CeVO₄Thin Films. Journal of Nanomaterials, 2011, 2011, 1-7.	2.7	2
120	Plasticity and X-ray Line Profile Analysis of the semicrystalline polymer poly(3-hydroxybutyrate). Journal of Physics: Conference Series, 2010, 240, 012146.	0.4	4
121	GISAXS and GIWAXS analysis of amorphousâ€"nanocrystalline silicon thin films. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 259-262.	1.4	7
122	In and Ex Situ Studies of the Formation of Layered Microspherical Hydrozincite as Precursor for ZnO. Chemistry - A European Journal, 2010, 16, 11481-11488.	3.3	14
123	Multilayers of Ge nanocrystals embedded in Al2O3 matrix: Structural and electrical studies. Microelectronic Engineering, 2010, 87, 2508-2512.	2.4	8
124	Determination of lamella thickness distributions in isotactic polypropylene by X-ray line profile analysis. Polymer, 2010, 51, 4195-4199.	3.8	25
125	Optical and structural properties of silver nanoparticles in glass matrix formed by thermal annealing of field assisted film dissolution. Optical Materials, 2010, 32, 510-514.	3.6	24
126	Growth and characterization of Mnâ€doped ZnO/TiO₂ multilayer nanostructures grown by pulsed laser deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2724-2726.	0.8	0

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127	Structural and charge trapping properties of two bilayer (Ge+SiO2)/SiO2 films deposited on rippled substrate. Applied Physics Letters, 2010, 97, 163117.	3.3	17
128	Growth of spatially ordered Ge nanoclusters in an amorphous matrix on rippled substrates. Physical Review B, 2010, 82, .	3.2	9
129	Formation of void lattice after annealing of Ge quantum dot lattice in alumina matrix. Applied Physics Letters, 2010, 97, .	3.3	13
130	SAXS Studies of TiO2 Nanoparticles in Polymer Electrolytes and in Nanostructured Films. Materials, 2010, 3, 4979-4993.	2.9	4
131	The Importance of Protein-Protein Interactions on the pH-Induced Conformational Changes of Bovine Serum Albumin: A Small-Angle X-Ray Scattering Study. Biophysical Journal, 2010, 98, 147-157.	0.5	226
132	Self-assembling of Ge quantum dots in an alumina matrix. Physical Review B, 2010, 82, .	3.2	26
133	Formation of three-dimensional quantum-dot superlattices in amorphous systems: Experiments and Monte Carlo simulations. Physical Review B, 2009, 79, .	3.2	57
134	Formation of long-range ordered quantum dots arrays in amorphous matrix by ion beam irradiation. Applied Physics Letters, 2009, 95, 063104.	3.3	24
135	Synchrotron X-ray line-profile analysis experiments for the in-situ microstructural characterisation of SPD nanometals during tensile deformation. International Journal of Materials Research, 2009, 100, 770-774.	0.3	9
136	SAXS/DSC/WAXD Study of Î³-irradiated Polymer Electrolyte for Zn Rechargeable Nanostructured Galvanic Cells. ECS Transactions, 2009, 16, 437-443.	0.5	1
137	The influence of deposition temperature on the correlation of Ge quantum dot positions in amorphous silica matrix. Nanotechnology, 2009, 20, 085612.	2.6	35
138	Nano Si Superlattices for the Next Generation Solar Cells. Journal of Nanoscience and Nanotechnology, 2009, 9, 3853-3857.	0.9	6
139	Grazing incidence X-ray study of Ge-nanoparticle formation in (Ge:SiO2)/SiO2 multilayers. Thin Solid Films, 2009, 517, 1899-1903.	1.8	10
140	DC conductivity of amorphousâ€“nanocrystalline silicon thin films. Vacuum, 2009, 84, 243-246.	3.5	4
141	Optical and structural characterization of silver islands films on glass substrates. Vacuum, 2009, 84, 188-192.	3.5	33
142	SAXS/WAXS/DSC study of temperature evolution in nanopolymer electrolyte. Vacuum, 2009, 84, 68-71.	3.5	7
143	Structural analysis of amorphous Si films prepared by magnetron sputtering. Vacuum, 2009, 84, 126-129.	3.5	4
144	Disorder-Order-Crystalline State Transitions of PEO-b-PPO-b-PEO Copolymers and their Blends: SAXS/WAXS/DSC Study. Journal of Macromolecular Science - Physics, 2009, 48, 174-184.	1.0	2

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145	Complementary application of Raman scattering and GISAXS in characterization of embedded semiconductor QDs. Superlattices and Microstructures, 2008, 44, 385-394.	3.1	0
146	Structural analysis of annealed amorphous SiO/SiO2 superlattice. Thin Solid Films, 2008, 516, 6796-6799.	1.8	8
147	Structural and Chemical Effects of Plasma Treatment on Closeâ€Packed Colloidal Nanoparticle Layers. Advanced Functional Materials, 2008, 18, 2398-2410.	14.9	62
148	The structural ordering of thin silicon films at the amorphous to nano-crystalline phase transition by GISAXS and Raman spectroscopy. Renewable Energy, 2008, 33, 326-330.	8.9	2
149	Formation of Ge-nanocrystals in SiO2 matrix by magnetron sputtering and post-deposition thermal treatment. Superlattices and Microstructures, 2008, 44, 323-330.	3.1	11
150	Grazing-incidence small-angle X-ray scattering from alkaline phosphatase immobilized in atmospheric plasmapolymer coatings. Applied Surface Science, 2008, 254, 5557-5563.	6.1	9
151	Low-Dimensionality Effects in the Melting of a Langmuirâ˜'Blodgett Multilayer. Langmuir, 2008, 24, 7793-7796.	3.5	5
152	Plasma modification of CoPt3 nanoparticle arrays: A route to catalytic coatings of surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 908-912.	2.1	4
153	Effect of annealing current density on the microstructure of nanocrystalline FeCuNbSiB alloy. Journal of Applied Physics, 2007, 101, 053907.	2.5	4
154	SAXS/DSC Study of Polymer Electrolyte for Zn Rechargeable Nanostructured Galvanic Cells. Journal of the Electrochemical Society, 2007, 154, A554.	2.9	16
155	Structural investigation of alumina silica mixed oxide gels prepared from organically modified precursors. Journal of Non-Crystalline Solids, 2007, 353, 1635-1644.	3.1	17
156	Met-myoglobin Association in Dilute Solution during Pressure-Induced Denaturation: an Analysis at pH 4.5 by High-Pressure Small-Angle X-ray Scattering. Journal of Physical Chemistry B, 2007, 111, 3822-3830.	2.6	16
157	Hafnium Oxide Doped Mesostructured Silica Films. European Journal of Inorganic Chemistry, 2007, 2007, 2797-2802.	2.0	7
158	Suppression of Crazing in Polystyrene Crosslinked with a Multifunctional Zirconium Oxo Cluster Observed In Situ during Tensile Tests. Macromolecular Rapid Communications, 2007, 28, 2145-2150.	3.9	4
159	Nanostructural depth profile of vanadium/cerium oxide film as a host for lithium ionsâ˜†. Solar Energy Materials and Solar Cells, 2007, 91, 616-620.	6.2	3
160	GISAXS study of temperature evolution in nanostructured CeVO4 films. Solar Energy Materials and Solar Cells, 2007, 91, 1299-1304.	6.2	4
161	GISAXS study of Si nanoclusters in SiO/SiO2 layers. Vacuum, 2007, 82, 189-192.	3.5	0
162	The DC conductivity and structural ordering of thin silicon films at the amorphous to nano-crystalline phase transition. Vacuum, 2007, 82, 205-208.	3.5	5

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163	Evolution of nanoparticles in gold-implanted glass. Vacuum, 2007, 82, 130-133.	3.5	3
164	The influence of post deposition plasma treatment on SnOx structural properties. Vacuum, 2007, 82, 266-269.	3.5	2
165	The influence of substrate morphology on the growth of thin silicon films: A GISAXS study. Thin Solid Films, 2007, 515, 5615-5619.	1.8	12
166	Structural characterization of thin amorphous Si films. Thin Solid Films, 2007, 515, 5620-5623.	1.8	7
167	Vacancy production during plastic deformation in copper determined by in situ X-ray diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 398-401.	5.6	83
168	Silicon nanoparticles formation in annealed SiO/SiO2 multilayers. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 38, 50-53.	2.7	2
169	Study of amorphous nanocrystalline thin silicon films by grazing-incidence small-angle X-ray scattering. Journal of Applied Crystallography, 2007, 40, s373-s376.	4.5	17
170	Structural study of nanocrystalline nickel thin films. Journal of Applied Crystallography, 2007, 40, s377-s382.	4.5	7
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