

Andrea Li Bassi

List of Publications by Year in descending order

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161
papers

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7795
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#	ARTICLE	IF	CITATIONS
1	Interface-Driven Assembly of Pentacene/MoS ₂ Lateral Heterostructures. Journal of Physical Chemistry C, 2022, 126, 1132-1139.	3.1	6
2	In situ surface-enhanced Raman spectroscopy to investigate polyynes formation during pulsed laser ablation in liquid. Carbon, 2022, 189, 219-229.	10.3	7
3	Tunable optical and plasmonic response of Au nanoparticles embedded in Ta-doped TiO ₂ transparent conducting films. Physical Review Materials, 2022, 6, .	2.4	5
4	Nanoporous Titanium (Oxy)nitride Films as Broadband Solar Absorbers. ACS Applied Materials & Interfaces, 2022, 14, 18453-18463.	8.0	14
5	Steric hindrance in the on-surface synthesis of diethynyl-linked anthracene polymers. Physical Chemistry Chemical Physics, 2022, 24, 13616-13624.	2.8	2
6	New Mechanism for Long Photoinduced Enhanced Raman Spectroscopy in Au Nanoparticles Embedded in TiO ₂ . Small, 2022, 18, .	10.0	17
7	Hydrophilic Character of Single-Layer MoS ₂ Grown on Ag(111). Journal of Physical Chemistry C, 2021, 125, 9479-9485.	3.1	11
8	Controlling the plasmonic properties of titanium nitride thin films by radiofrequency substrate biasing in magnetron sputtering. Applied Surface Science, 2021, 554, 149543.	6.1	25
9	Novel class of nanostructured metallic glass films with superior and tunable mechanical properties. Acta Materialia, 2021, 213, 116955.	7.9	32
10	Driving Organic Nanocrystals Dissolution Through Electrochemistry. ChemistryOpen, 2021, 10, 748-755.	1.9	2
11	Compared EC-AFM Analysis of Laser-Induced Graphene and Graphite Electrodes in Sulfuric Acid Electrolyte. Molecules, 2021, 26, 7333.	3.8	0
12	A combined morphological and electrochemical characterization of carbon electrodes in vanadium redox flow batteries: Insights into positive and negative electrode performance. Electrochimica Acta, 2020, 329, 135143.	5.2	15
13	Size-selected polyynes synthesised by submerged arc discharge in water. Chemical Physics Letters, 2020, 740, 137054.	2.6	13
14	Solvent-dependent termination, size and stability in polyynes synthesized via laser ablation in liquids. Physical Chemistry Chemical Physics, 2020, 22, 26312-26321.	2.8	16
15	Highly sensitive detection of estradiol by a SERS sensor based on TiO ₂ covered with gold nanoparticles. Beilstein Journal of Nanotechnology, 2020, 11, 1026-1035.	2.8	19
16	In situ synthesis of polyynes in a polymer matrix via pulsed laser ablation in a liquid. Materials Advances, 2020, 1, 2729-2736.	5.4	8
17	Integration of Transparent Supercapacitors and Electrodes Using Nanostructured Metallic Glass Films for Wirelessly Rechargeable, Skin Heat Patches. Nano Letters, 2020, 20, 4872-4881.	9.1	56
18	Syngas Evolution from CO ₂ Electroreduction by Porous Au Nanostructures. ACS Applied Energy Materials, 2020, 3, 4658-4668.	5.1	29

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19	Light management in TiO ₂ thin films integrated with Au plasmonic nanoparticles. Semiconductor Science and Technology, 2020, 35, 035016.	2.0	11
20	Reactive Dissolution of Organic Nanocrystals at Controlled pH. ChemNanoMat, 2020, 6, 567-575.	2.8	4
21	Nature of Point Defects in Single-Layer MoS ₂ Supported on Au(111). Journal of Physical Chemistry C, 2020, 124, 12424-12431.	3.1	30
22	Structural, Electronic, and Vibrational Properties of a Two-Dimensional Graphdiyne-like Carbon Nanonetwork Synthesized on Au(111): Implications for the Engineering of sp ² Carbon Nanostructures. ACS Applied Nano Materials, 2020, 3, 12178-12187.	5.0	14
23	Pulsed laser deposition of single-layer MoS ₂ on Au(111): from nanosized crystals to large-area films. Nanoscale Advances, 2019, 1, 643-655.	4.6	52
24	Excitation Wavelength- and Medium-Dependent Photoluminescence of Reduced Nanostructured TiO ₂ Films. Journal of Physical Chemistry C, 2019, 123, 11292-11303.	3.1	21
25	Integrated Au/TiO ₂ Nanostructured Photoanodes for Photoelectrochemical Organics Degradation. Catalysts, 2019, 9, 340.	3.5	18
26	Structure modulated charge transfer in carbon atomic wires. Scientific Reports, 2019, 9, 1648.	3.3	26
27	Scanning tunneling microscopy and Raman spectroscopy of polymeric sp ² carbon atomic wires synthesized on the Au(111) surface. Nanoscale, 2019, 11, 18191-18200.	5.6	24
28	Assembly and Soldering Procedure of Nonstabilized YBCO Coils for 1000 A SFCL. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	1
29	Engineering plasmonic nanostructured surfaces by pulsed laser deposition. Applied Surface Science, 2018, 434, 1064-1073.	6.1	47
30	Photocurrent study of all-printed photodetectors on paper made of different transition metal dichalcogenide nanosheets. Flexible and Printed Electronics, 2018, 3, 034005.	2.7	31
31	Integration of plasmonic Au nanoparticles in TiO ₂ hierarchical structures in a single-step pulsed laser co-deposition. Materials and Design, 2018, 156, 311-319.	7.0	49
32	Photocatalytic Activity of Nanotubular TiO ₂ Films Obtained by Anodic Oxidation: A Comparison in Gas and Liquid Phase. Materials, 2018, 11, 488.	2.9	12
33	Electrochemical Properties of Transparent Conducting Films of Tantalum-Doped Titanium Dioxide. Electrochimica Acta, 2017, 232, 44-53.	5.2	16
34	Hydrogen-treated hierarchical titanium oxide nanostructures for photoelectrochemical water splitting. Solar Energy Materials and Solar Cells, 2017, 169, 19-27.	6.2	32
35	Microscopic Analysis of the Different Perchlorate Anions Intercalation Stages of Graphite. Journal of Physical Chemistry C, 2017, 121, 14246-14253.	3.1	23
36	Preparation and optimization of TiO ₂ photoanodes fabricated by pulsed laser deposition for photoelectrochemical water splitting. Journal of Solid State Electrochemistry, 2017, 21, 3139-3154.	2.5	13

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37	Tuning the photoelectrochemical properties of hierarchical TiO ₂ nanostructures by control of pulsed laser deposition and annealing in reducing conditions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26639-26651.	7.1	5
38	Evolution of the graphite surface in phosphoric acid: an AFM and Raman study. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1878-1884.	2.8	22
39	Controlling the Electrical Properties of Undoped and Ta-Doped TiO ₂ Polycrystalline Films via Ultra-Fast Annealing Treatments. <i>Advanced Electronic Materials</i> , 2016, 2, 1500316.	5.1	19
40	High-performance flexible nanoporous Si-carbon nanotube paper anodes for micro-battery applications. <i>Nanotechnology</i> , 2016, 27, 245401.	2.6	10
41	Vibrational-Electrical Properties Relationship in Donor-Doped TiO ₂ by Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18878-18886.	3.1	43
42	Pulsed laser deposition of two-dimensional ZnO nanocrystals on Au(111): growth, surface structure and electronic properties. <i>Nanotechnology</i> , 2016, 27, 475703.	2.6	23
43	Disclosing the Early Stages of Electrochemical Anion Intercalation in Graphite by a Combined Atomic Force Microscopy/Scanning Tunneling Microscopy Approach. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6088-6093.	3.1	43
44	Two-dimensional TiO ₂ nanostructures on Au(111): a scanning tunneling microscopy and spectroscopy investigation. <i>2D Materials</i> , 2015, 2, 045011.	4.4	10
45	Raman spectroscopy as a tool to investigate the structure and electronic properties of carbon-atom wires. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 480-491.	2.8	83
46	NANOTECNOLOGIE PER CATTURARE LA LUCE. Istituto Lombardo - Accademia Di Scienze E Lettere - Rendiconti Di Scienze, , .	0.0	0
47	TiO ₂ Nanotubes: Interdependence of Substrate Grain Orientation and Growth Rate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1662-1668.	8.0	37
48	Mesoporous Si and Multi-Layered Si/C Films by Pulsed Laser Deposition as Li-Ion Microbattery Anodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1816-A1822.	2.9	15
49	Note: Fabrication and characterization of molybdenum tips for scanning tunneling microscopy and spectroscopy. <i>Review of Scientific Instruments</i> , 2015, 86, 016112.	1.3	1
50	Tuning of Electrical and Optical Properties of Highly Conducting and Transparent Ta-Doped TiO ₂ Polycrystalline Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6988-6997.	3.1	46
51	Hyperbranched Quasi-1D TiO ₂ Nanostructure for Hybrid Organic-Inorganic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7451-7455.	8.0	14
52	Chemical Bonds and Charge-Transfer Dynamics of a Dye-Hierarchical-TiO ₂ Hybrid Interface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8671-8680.	3.1	7
53	Tuning electrical properties of hierarchically assembled Al-doped ZnO nanoforests by room temperature Pulsed Laser Deposition. <i>Thin Solid Films</i> , 2015, 594, 12-17.	1.8	12
54	Silicon algae with carbon topping as thin-film anodes for lithium-ion microbatteries by a two-step facile method. <i>Journal of Power Sources</i> , 2015, 274, 252-259.	7.8	30

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55	Nanoscale Analysis of a Hierarchical Hybrid Solar Cell in 3D. <i>Advanced Functional Materials</i> , 2014, 24, 3043-3050.	14.9	16
56	Mesoporous Silicon Nanostructures by Pulsed Laser Deposition as Li-Ion Battery Anodes. <i>ECS Transactions</i> , 2014, 62, 107-115.	0.5	4
57	Morphology-driven electrical and optical properties in graded hierarchical transparent conducting Al:ZnO. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1699, 13.	0.1	2
58	Growth and electronic properties of Ti nanoislands on Au(111). <i>Surface Science</i> , 2014, 619, 77-82.	1.9	7
59	Multi-wavelength Raman scattering of nanostructured Al-doped zinc oxide. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	198
60	Room temperature fabrication of silicon nanocrystals by pulsed laser deposition. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
61	Nanostructured Pd barrier for low methanol crossover DMFC. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2801-2811.	7.1	24
62	Enhancing light harvesting by hierarchical functionally graded transparent conducting Al-doped ZnO nano- and mesoarchitectures. <i>Solar Energy Materials and Solar Cells</i> , 2014, 128, 248-253.	6.2	14
63	Fabrication of Nano-engineered Transparent Conducting Oxides by Pulsed Laser Deposition. <i>Journal of Visualized Experiments</i> , 2013, , e50297.	0.3	4
64	Nanostructured Ag ₄ O ₄ thin films produced by ion beam oxidation of silver. <i>Applied Surface Science</i> , 2013, 266, 161-169.	6.1	14
65	Electronic and magnetic properties of bulk Cr tips for scanning tunneling spectroscopy. <i>Physical Review B</i> , 2013, 87, .	3.2	4
66	Hyperbranched Quasi-1D Nanostructures for Solid-State Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2013, 7, 10023-10031.	14.6	65
67	Tuning Hierarchical Cluster Assembly in Pulsed Laser Deposition of Al-doped ZnO. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1497, 1.	0.1	2
68	Highly Performing Al:ZnO Thin Films Grown by Pulsed Laser Deposition at Room Temperature. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 484-486.	0.4	13
69	Ultrafast spectroscopic imaging of exfoliated graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2497-2499.	1.5	7
70	Nucleation and growth mechanisms of Fe on Au(111) in the sub-monolayer regime. <i>Surface Science</i> , 2012, 606, 702-710.	1.9	14
71	Structure-dependent optical and electrical transport properties of nanostructured Al-doped ZnO. <i>Nanotechnology</i> , 2012, 23, 365706.	2.6	55
72	TiO ₂ Nanotubes: Interdependence of Substrate Grain Orientation and Growth Characteristics. <i>Journal of Physical Chemistry C</i> , 2012, 116, 384-392.	3.1	34

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73	Fe nanoparticles on ZnSe: Reversible temperature dependence of the surface barrier potential. Physical Review B, 2012, 85, .	3.2	0
74	Structural and functional properties of Al:ZnO thin films grown by Pulsed Laser Deposition at room temperature. Thin Solid Films, 2012, 520, 4707-4711.	1.8	70
75	Strain effect on local electronic properties of Fe nanoislands grown on Au(111). Physical Review B, 2011, 83, .	3.2	16
76	Island Organization of TiO ₂ Hierarchical Nanostructures Induced by Surface Wetting and Drying. Langmuir, 2011, 27, 1935-1941.	3.5	12
77	Pulsed Laser Deposition of Silicon Nanostructures. Materials Research Society Symposia Proceedings, 2011, 1322, 141.	0.1	4
78	Charge Transfer and Vibrational Structure of sp-Hybridized Carbon Atomic Wires Probed by Surface Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 12836-12843.	3.1	56
79	Structural and gas-sensing characterization of tungsten oxide nanorods and nanoparticles. Sensors and Actuators B: Chemical, 2011, 153, 340-346.	7.8	53
80	Surface electronic and structural properties of nanostructured titanium oxide grown by pulsed laser deposition. Surface Science, 2011, 605, 333-340.	1.9	62
81	Energetic regimes and growth mechanisms of pulsed laser deposited Pd clusters on Au(111) investigated by in situ scanning tunneling microscopy. Physical Review B, 2011, 84, .	3.2	10
82	Pulsed Laser Deposition and In Situ Scanning Tunneling Microscopy of Pd clusters supported on alumina. Materials Research Society Symposia Proceedings, 2011, 1351, 116701.	0.1	0
83	Nanostructured TiO ₂ Thin Films for Phosphoproteomics Studies with MALDI Mass Spectrometry. Methods in Molecular Biology, 2011, 790, 173-181.	0.9	1
84	Atomic corrugation in scanning tunneling microscopy images of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Fe} \langle / \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 001 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$	3.2	33
85	Hierarchical TiO ₂ Photoanode for Dye-Sensitized Solar Cells. Nano Letters, 2010, 10, 2562-2567.	9.1	331
86	Recovery of local density of states using scanning tunneling spectroscopy. Physical Review B, 2009, 79, .	3.2	56
87	Scanning tunneling spectroscopy of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Fe} \langle / \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 001 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$	3.2	43
88	Thermoelectric properties of Bi ₂ Te films with controlled structure and morphology. Journal of Applied Physics, 2009, 105, .	2.5	93
89	Titanium oxide nanostructured films by reactive pulsed laser deposition. Applied Surface Science, 2009, 255, 5334-5337.	6.1	34
90	Nanostructured high valence silver oxide produced by pulsed laser deposition. Applied Surface Science, 2009, 255, 5248-5251.	6.1	34

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91	sp Carbon chain interaction with silver nanoparticles probed by Surface Enhanced Raman Scattering. Chemical Physics Letters, 2009, 478, 45-50.	2.6	40
92	Hierarchically organized nanostructured TiO ₂ for photocatalysis applications. Nanotechnology, 2009, 20, 015604.	2.6	122
93	Direct observation of the basic mechanisms of Pd island nucleation on Au(111). Physical Review B, 2009, 79, .	3.2	42
94	Growth regimes in pulsed laser deposition of aluminum oxide films. Applied Physics A: Materials Science and Processing, 2008, 93, 765-769.	2.3	73
95	Raman spectroscopy of Bi ₂ Te thin films. Journal of Raman Spectroscopy, 2008, 39, 205-210.	2.5	109
96	Low-frequency modes in the Raman spectrum of $s\text{-}p$ carbon. Physical Review B, 2008, 77, .	3.2	69
97	Au ⁺ Ag Template Stripped Pattern for Scanning Probe Investigations of DNA Arrays Produced by Dip Pen Nanolithography. Langmuir, 2008, 24, 13212-13217.	3.5	10
98	Nanostructured Ag ₄ O ₄ films with enhanced antibacterial activity. Nanotechnology, 2008, 19, 475602.	2.6	38
99	Self-assembly and electronic effects of Er ₃ N@C ₈₀ and Sc ₃ N@C ₈₀ on Au(111) and Ag/Si(111) surfaces. Journal of Physics: Conference Series, 2008, 100, 052080.	0.4	9
100	Bulk Cr tips for scanning tunneling microscopy and spin-polarized scanning tunneling microscopy. Applied Physics Letters, 2007, 91, .	3.3	39
101	Stabilization of linear carbon structures in a solid Ag nanoparticle assembly. Applied Physics Letters, 2007, 90, 013111.	3.3	50
102	Interaction between femtosecond laser pulses and CdSxSe1-x quantum dots in glasses. Physical Review B, 2007, 76, .	3.2	9
103	Raman spectroscopy characterization of TiO ₂ rutile nanocrystals. Physical Review B, 2007, 75, .	3.2	229
104	Influence of Cumulenic Chains on the Vibrational and Electronic Properties of sp ² Amorphous Carbon. Physical Review Letters, 2007, 98, 216103.	7.8	117
105	Different W cluster deposition regimes in pulsed laser ablation observed by in situ scanning tunneling microscopy. Surface Science, 2007, 601, 1892-1897.	1.9	21
106	Nanostructured tungsten oxide with controlled properties: Synthesis and Raman characterization. Thin Solid Films, 2007, 515, 6465-6469.	1.8	128
107	Photocatalytic behavior of different titanium dioxide layers. Thin Solid Films, 2007, 515, 6309-6313.	1.8	59
108	In situ STM of pulsed laser nanostructured deposits: First stages of film formation. Applied Surface Science, 2007, 253, 7917-7921.	6.1	10

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109	Pulsed laser deposition of Bi ₂ Te ₃ thermoelectric films. Applied Surface Science, 2007, 254, 1249-1254.	6.1	80
110	Pulsed laser deposition of tungsten and tungsten oxide thin films with tailored structure at the nano- and mesoscale. Applied Surface Science, 2007, 253, 8130-8135.	6.1	70
111	Self-assembly of trimetallic nitride template fullerenes on surfaces studied by STM. Surface Science, 2007, 601, 2750-2755.	1.9	21
112	Synthesis and characterization of tungsten and tungsten oxide nanostructured films. Catalysis Today, 2006, 116, 69-73.	4.4	72
113	Raman and SERS investigation of isolated sp carbon chains. Chemical Physics Letters, 2006, 417, 78-82.	2.6	102
114	Photo-induced production of sp-hybridized carbon species from Ag-coated polytetrafluoroethylene (PTFE). Carbon, 2005, 43, 1337-1339.	10.3	11
115	Inelastic light scattering for the investigations of nano- and meso-structures. European Physical Journal Special Topics, 2005, 129, 3-9.	0.2	0
116	Pulsed Laser Deposition of Cluster-Assembled Thin Films with Controlled Nanostructure. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
117	Raman spectroscopy characterization of titania nanoparticles produced by flame pyrolysis: The influence of size and stoichiometry. Journal of Applied Physics, 2005, 98, 074305.	2.5	272
118	Leaving the fullerene road: presence and stability of sp chains in sp ² carbon clusters and cluster-assembled solids. New Journal of Physics, 2005, 7, 81-81.	2.9	37
119	Nanoscale and Mesoscale Properties of Nanostructured Carbon Films. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 199-210.	2.1	0
120	Libraries of cluster-assembled titania films for chemical sensing. Applied Physics Letters, 2005, 87, 103108.	3.3	52
121	Synthesis and Characterization of Carbynoid Structures in Cluster-Assembled Carbon Films. , 2005, , 15-36.		0
122	Growth of multi-wall and single-wall carbon nanotubes with in situ high vacuum catalyst deposition. Carbon, 2004, 42, 440-443.	10.3	15
123	Gas exposure and thermal stability of linear carbon chains in nanostructured carbon films investigated by in situ Raman spectroscopy. Carbon, 2004, 42, 1103-1106.	10.3	16
124	Inelastic light scattering: a multiscale characterization approach to vibrational, structural and thermo-mechanical properties of nanostructured materials. Applied Surface Science, 2004, 226, 271-281.	6.1	8
125	<math>TeO_2</math>-Based Glasses Containing <math>Nb_2O_5</math>, <math>TiO_2</math>, and <math>WO_3</math> for Discrete Raman Fiber Amplification. IEEE Photonics Technology Letters. 2004. 16. 1011-1013.	2.5	33
126	Chemical and thermal stability of carbyne-like structures in cluster-assembled carbon films. Physical Review B, 2004, 69, .	3.2	150

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127	Brillouin light scattering investigation of cluster-assembled carbon films: acoustic phonon propagation and elastic properties. <i>Diamond and Related Materials</i> , 2003, 12, 856-860.	3.9	6
128	Inelastic light scattering from magnetically aligned single-walled carbon nanotubes and estimate of their two-dimensional Young's modulus. <i>Diamond and Related Materials</i> , 2003, 12, 806-810.	3.9	10
129	Dynamic light scattering from acoustic modes in single-walled carbon nanotubes. <i>Physical Review B</i> , 2003, 67, .	3.2	20
130	Structural evolution and acoustic phonon behavior in crystalline PTFE latex films. <i>Materials Research Society Symposia Proceedings</i> , 2003, 779, 781.	0.1	0
131	Structural Evolution and Acoustic Phonon Behavior in Crystalline PTFE Latex Films. <i>Materials Research Society Symposia Proceedings</i> , 2003, 778, 881/W7.8.1.	0.1	0
132	Bonding and mechanical properties of ultrathin diamond-like carbon films. <i>Applied Physics Letters</i> , 2002, 81, 3804-3806.	3.3	85
133	A Simple Method for the Synthesis of Silicon Carbide Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 453-456.	0.9	41
134	Elastic constants and structural properties of nanometre-thick diamond-like carbon films. <i>Diamond and Related Materials</i> , 2002, 11, 1062-1067.	3.9	19
135	Acoustic phonon propagation and elastic properties of nano-sized carbon films investigated by Brillouin light scattering. <i>Thin Solid Films</i> , 2002, 420-421, 300-305.	1.8	5
136	Measurement of the elastic constants of nanometer-thick films. <i>Materials Science and Engineering C</i> , 2002, 19, 201-204.	7.3	10
137	Cluster-Beam Deposition and in situ Characterization of Carbyne-Rich Carbon Films. <i>Physical Review Letters</i> , 2002, 89, 285506.	7.8	240
138	Structure and mechanical properties of low stress tetrahedral amorphous carbon films prepared by pulsed laser deposition. <i>European Physical Journal B</i> , 2002, 25, 269-280.	1.5	20
139	Title is missing!. <i>European Physical Journal B</i> , 2002, 25, 269-280.	1.5	23
140	A Simple Method for the Synthesis of Silicon Carbide Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2002, 2, 453-456.	0.9	3
141	Acoustic phonon propagation and elastic properties of cluster-assembled carbon films investigated by Brillouin light scattering. <i>Physical Review B</i> , 2001, 64, .	3.2	29
142	Investigation of confined acoustic phonons of tin nanoparticles during melting. <i>Europhysics Letters</i> , 2001, 56, 386-392.	2.0	24
143	<title>Measurement of the elastic constants of nanometric films</title>. , 2001, , .		0
144	High resolution X-ray scattering from nanotechnology materials. <i>Applied Surface Science</i> , 2001, 182, 202-208.	6.1	2

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145	Brillouin scattering investigation of melting in Sn nanoparticles. Materials Science and Engineering C, 2001, 15, 41-43.	7.3	3
146	Damped and overdamped acoustic phonons in tin nanoparticles detected by low frequency Raman scattering. Materials Science and Engineering C, 2001, 15, 21-23.	7.3	2
147	Density, sp ³ fraction, and cross-sectional structure of amorphous carbon films determined by x-ray reflectivity and electron energy-loss spectroscopy. Physical Review B, 2000, 62, 11089-11103.	3.2	506
148	The origin of the redshift in Brillouin spectra of silica films containing tin nanoparticles. European Physical Journal B, 2000, 18, 31-38.	1.5	4
149	Density, sp ³ content and internal layering of DLC films by X-ray reflectivity and electron energy loss spectroscopy. Diamond and Related Materials, 2000, 9, 771-776.	3.9	94
150	Melting in metallic Sn nanoparticles studied by surface Brillouin scattering and synchrotron-x-ray diffraction. Physical Review B, 1999, 59, R15601-R15604.	3.2	45
151	Synthesis of carbon films with controlled nanostructure by separation of neutral clusters in supersonic beams. Chemical Physics Letters, 1999, 300, 633-638.	2.6	73
152	Nanostructured carbon films from supersonic cluster beam deposition: structure and morphology. European Physical Journal D, 1999, 9, 63-68.	1.3	18
153	Near-edge x-ray absorption fine structure and Raman characterization of amorphous and nanostructured carbon films. Journal of Applied Physics, 1999, 85, 7159-7167.	2.5	131
154	Nanostructured carbon films from supersonic cluster beam deposition: structure and morphology. , 1999, , 63-68.		1
155	Brillouin scattering of cluster-assembled carbon films. Carbon, 1998, 36, 535-538.	10.3	4
156	Mesoscopic elastic properties of cluster-assembled carbon films. Europhysics Letters, 1998, 42, 431-436.	2.0	32
157	Time-of-flight analysis of neutral cluster beams through detection of charged particles produced by cluster impact on a channeltron. Review of Scientific Instruments, 1998, 69, 1647-1649.	1.3	15
158	Synthesis and characterization of cluster-assembled carbon thin films. Journal of Applied Physics, 1997, 82, 5793-5798.	2.5	75
159	Cluster beam deposition: a novel approach to the synthesis of nanostructured materials. AIP Conference Proceedings, 1997, , .	0.4	1
160	Elastic and Structural Properties of Carbon Materials Investigated by Brillouin Light Scattering. , 0, , 153-174.		0
161	Optical and electronic properties of transparent conducting Ta:TiO ₂ thin and ultra-thin films: the effect of doping and thickness. Materials Advances, 0, , .	5.4	7