

# D Mihailovic

## List of Publications by Year in descending order

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395  
papers

10,100  
citations

44069

48  
h-index

49909

87  
g-index

405  
all docs

405  
docs citations

405  
times ranked

7764  
citing authors

#	ARTICLE	IF	CITATIONS
1	Why Does Maximum $T_c$ Occur at the Crossover From Weak to Strong Electron-phonon Coupling in High-temperature Superconductors?. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 1769-1773.	1.8	2
2	Electronic Dislocation Dynamics in Metastable Wigner Crystal States. <i>Symmetry</i> , 2022, 14, 926.	2.2	2
3	A time-domain phase diagram of metastable states in a charge ordered quantum material. <i>Nature Communications</i> , 2021, 12, 2323.	12.8	20
4	First-order kinetics bottleneck during photoinduced ultrafast insulator-metal transition in 3D orbitally-driven Peierls insulator $\text{CuR}_2\text{S}_4$ . <i>New Journal of Physics</i> , 2021, 23, 053023.	2.9	1
5	Quantum billiards with correlated electrons confined in triangular transition metal dichalcogenide monolayer nanostructures. <i>Nature Communications</i> , 2021, 12, 3793.	12.8	8
6	Ultrafast non-thermal and thermal switching in charge configuration memory devices based on 1T-TaS <sub>2</sub> . <i>Applied Physics Letters</i> , 2021, 119, .	3.3	10
7	Ultrafast transient reflectivity measurements of optimally doped $\text{Bi}_2\text{O}_8$ . <i>Physical Review B</i> , 2021, 104, .	3.2	3
8	Ultrafast dynamics of Mott-state quench and formation in strongly correlated BEDT-TTF molecular conductors observed by three-pulse pump probe spectroscopy. <i>Physical Review B</i> , 2021, 104, .	3.2	1
9	All-inorganic triboelectric nanogenerators based on $\text{Mo}_6\text{S}_3\text{I}_6$ and indium tin oxide. <i>Nano Energy</i> , 2021, 89, 106363.	16.0	13
10	Ultrafast Carrier Dynamics in an Organic Superconductor $\hat{\text{I}}^2\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ by Spectrally Resolved Pump-Probe Spectroscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2299-2303.	1.8	2
11	Orbitally driven insulator-metal transition in $\text{CuR}_2\text{S}_4$ : Temperature-dependent transient reflectivity study. <i>Physical Review B</i> , 2020, 101, .	3.2	2
12	Quantum jamming transition to a correlated electron glass in 1T-TaS <sub>2</sub> . <i>Nature Materials</i> , 2019, 18, 1078-1083.	27.5	45
13	Configurational electronic states in layered transition metal dichalcogenides. <i>New Journal of Physics</i> , 2019, 21, 083001.	2.9	12
14	Laser-driven quantum magnonics and terahertz dynamics of the order parameter in antiferromagnets. <i>Physical Review B</i> , 2019, 100, .	3.2	37
15	Time-resolved reflectivity and Raman studies of the interplay of electronic orders in $\text{Mo}_8\text{O}_{23}$ . <i>Physical Review B</i> , 2019, 99, .	3.2	4
16	Intertwined chiral charge orders and topological stabilization of the light-induced state of a prototypical transition metal dichalcogenide. <i>Npj Quantum Materials</i> , 2019, 4, .	5.2	51
17	Strain-Induced Metastable Topological Networks in Laser-Fabricated TaS <sub>2</sub> Polytype Heterostructures for Nanoscale Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 3743-3751.	5.0	12
18	The Importance of Topological Defects in Photoexcited Phase Transitions Including Memory Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 890.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Theoretical Modeling of the Non-equilibrium Amorphous State in 1T-TaS <sub>2</sub> . Journal of Superconductivity and Novel Magnetism, 2019, 32, 3057-3063.	1.8	2
20	Unveiling the electronic transformations in the semi-metallic correlated-electron transitional oxide Mo <sub>8</sub> O <sub>23</sub> . Scientific Reports, 2019, 9, 15959.	3.3	3
21	Morphological characteristics of the myocardial bridges in the level of the anterior interventricular branch of a human fetal heart. Vojnosanitetski Pregled, 2019, 76, 379-384.	0.2	1
22	Real-time observation of the coherent transition to a metastable emergent state in $S_{12}T_2Mo_8O_{23}$ . Physical Review B, 2018, 97, .	3.2	27
23	Preparation of air-stable expandable MoS <sub>2</sub> and rapid expansion by low temperature heating and electron beam irradiation. Materials Letters, 2018, 218, 229-232.	2.6	1
24	Nonequilibrium Quasiparticle Dynamics in Bi-Based Superconductors Measured by Modulation Photoexcitation Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2018, 31, 753-756.	1.8	5
25	Nonequilibrium optical control of dynamical states in superconducting nanowire circuits. Science Advances, 2018, 4, eaao0043.	10.3	25
26	Charge trapping and coalescence dynamics in few layer MoS <sub>2</sub> . 2D Materials, 2018, 5, 015011.	4.4	20
27	Stability of the light-induced hidden charge density wave state within the phase diagram of $T_1T_2TaS_4$ . Physical Review B, 2018, 98, .	3.2	4
28	Ultrafast destruction and recovery of the spin density wave order in iron-based pnictides: A multipulse optical study. Physical Review B, 2018, 98, .	3.2	9
29	Unconventional electroabsorption in monolayer MoS <sub>2</sub> . 2D Materials, 2017, 4, 021005.	4.4	19
30	Stacking order dynamics in the quasi-two-dimensional dichalcogenide 1 <i>T</i> -TaS <sub>2</sub> probed with MeV ultrafast electron diffraction. Structural Dynamics, 2017, 4, 044020.	2.3	28
31	Phase slip and telegraph noise in $\hat{I}$ -MoN nanowires. Physica C: Superconductivity and Its Applications, 2017, 535, 24-29.	1.2	0
32	Optically excited structural transition in atomic wires on surfaces at the quantum limit. Nature, 2017, 544, 207-211.	27.8	99
33	Inter-site Pair Superconductivity: Origins and Recent Validation Experiments. Springer Series in Materials Science, 2017, , 201-212.	0.6	3
34	Clocking the onset of bilayer coherence in a high- $T_c$ cuprate. Physical Review B, 2017, 95, .	1.2	12
35	Phase transitions through consecutive charge-density-wave transitions in $S_{12}T_2Mo_8O_{23}$ . Physical Review B, 2017, 96, .	3.2	6
36	A high-temperature quantum spin liquid with polaron spins. Nature Physics, 2017, 13, 1130-1134.	16.7	132

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37	Three-dimensional resistivity and switching between correlated electronic states in 1T-TaS <sub>2</sub> . Scientific Reports, 2017, 7, 46048.	3.3	32
38	Field-induced charge separation dynamics in monolayer MoS <sub>2</sub> . 2D Materials, 2017, 4, 035017.	4.4	6
39	The significance of angiogenesis for predicting optimal therapeutic response in chronic myeloid leukaemia patients. Polish Journal of Pathology, 2017, 68, 241-251.	0.3	4
40	Dynamics of superconducting order parameter through ultrafast normal-to-superconducting phase transition in Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2017, 96, .	22.1	10
41	Fast electronic resistance switching involving hidden charge density wave states. Nature Communications, 2016, 7, 11442.	12.8	151
42	Tuning phase diagrams. Nature Materials, 2016, 15, 930-931.	27.5	3
43	Critical femtosecond relaxation dynamics of collective and single-particle excitations through the phase transitions in single crystals of Bi <sub>2</sub> Te <sub>3</sub> . Physical Review B, 2016, 93, .	11.1	11
44	Ultrafast optical spectroscopy of strongly correlated materials and high-temperature superconductors: a non-equilibrium approach. Advances in Physics, 2016, 65, 58-238.	14.4	325
45	Real-time measurement of the emergence of superconducting order in a high-temperature superconductor. Physical Review B, 2016, 93, .	3.2	12
46	Accessing and probing of the photo-induced hidden state in 1T-TaS <sub>2</sub> with time- and angle-resolved photoemission spectroscopy. Proceedings of SPIE, 2016, , .	0.8	3
47	Fluence-dependent femtosecond quasiparticle and Eu <sup>2+</sup> spin relaxation dynamics in EuFe <sub>2</sub> (As,P) <sub>2</sub> . Physical Review B, 2016, 94, .	3.2	1
48	Magnetic field control of electric-field-induced local domain growth in manganites. Ferroelectrics, 2016, 499, 143-149.	0.6	0
49	Factors determining large observed increases in power conversion efficiency of P3HT:PCBM solar cells embedded with MoS <sub>2</sub> nanowires. Synthetic Metals, 2016, 212, 105-112.	3.9	16
50	Exciton and charge carrier dynamics in few-layer WS <sub>2</sub> . Nanoscale, 2016, 8, 5428-5434.	5.6	61
51	Composition, structure and morphology of hybrid acrylate-based sol-gel coatings containing Si and Zr composed for protective applications. Surface and Coatings Technology, 2016, 286, 388-396.	4.8	30
52	Electronic structure of purified MoS <sub>2</sub> nanowires studied by X-ray spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 29-33.	1.7	0
53	Fabrication of poly(3-hexylthiophene) nanowires for high-mobility transistors. Organic Electronics, 2016, 30, 92-98.	2.6	16
54	Ultrafast optical switching between hidden states of electronic matter under non-equilibrium conditions. , 2016, , .		0

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55	Central mucoepidermoid carcinoma of the mandible: A case report. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2016, 144, 531-534.	0.2	0
56	Superconducting gap in $\text{BaFe}_2\text{As}_2$ temperature-dependent transient optical reflectivity. <i>Physical Review B</i> , 2015, 92, .	3.2	4
57	Controlling the metal-to-insulator relaxation of the metastable hidden quantum state in $1\text{T-TaS}_2$ . <i>Science Advances</i> , 2015, 1, e1500168.	10.3	128
58	Control of switching between metastable superconducting states in $\hat{\Gamma}$ -MoN nanowires. <i>Nature Communications</i> , 2015, 6, 10250.	12.8	14
59	Charge Photogeneration in Few-Layer $\text{MoS}_2$ . <i>Advanced Functional Materials</i> , 2015, 25, 3351-3358.	14.9	76
60	Influence of magnetic field on electric-field-induced local polar states in manganites. <i>Applied Physics Letters</i> , 2015, 107, 192906.	3.3	1
61	Coexistence of ferromagnetism and superconductivity in iron based pnictides: a time resolved magneto-optical study. <i>Scientific Reports</i> , 2015, 5, 7754.	3.3	23
62	Improved prediction of clinical outcome in chronic myeloid leukemia. <i>International Journal of Hematology</i> , 2015, 101, 173-183.	1.6	2
63	Unlocking the Functional Properties in One-Dimensional $\text{MoSI}$ Cluster Polymers by Doping and Photoinduced Charge Transfer. <i>Nano Letters</i> , 2015, 15, 813-818.	9.1	10
64	<i>Alternaria</i> -Associated Fungus Ball of Orbit Nose and Paranasal Sinuses: Case Report of a Rare Clinical Entity. <i>Mycopathologia</i> , 2015, 180, 99-103.	3.1	11
65	Evidence for carrier localization in the pseudogap state of cuprate superconductors from coherent quench experiments. <i>Nature Communications</i> , 2015, 6, 6958.	12.8	26
66	Topotactic changes on $\hat{\Gamma}$ - $\text{Mo}_4\text{O}_{11}$ caused by biased atomic force microscope tip and cw-laser. <i>Applied Surface Science</i> , 2015, 354, 256-259.	6.1	6
67	Controlling Disorder and Superconductivity in Titanium Oxynitride Nanoribbons with Anion Exchange. <i>ACS Nano</i> , 2015, 9, 10133-10141.	14.6	20
68	Time-resolved polarimetry for photoexcited QP dynamics in $\text{Bi}_2\text{Tl}_2$ . <i>International Journal of Modern Physics B</i> , 2015, 29, 1542031.	2.0	0
69	Simultaneous Determination of Copper, Lead, and Cadmium Ions at a $\text{Mo}_6\text{S}_9 \times 1 \times 1$ Nanowires Modified Glassy Carbon Electrode Using Differential Pulse Anodic Stripping Voltammetry. <i>Electrochimica Acta</i> , 2015, 154, 184-189.	5.2	81
70	Transitions between photoinduced macroscopic quantum states in $1\text{T-TaS}_2$ controlled by substrate strain. <i>Applied Physics Express</i> , 2014, 7, 103201.	2.4	24
71	Template synthesis of single-phase $\hat{\Gamma}$ - $\text{Mo}_3$ -MoN superconducting nanowires. <i>Nanotechnology</i> , 2014, 25, 025601.	2.6	7
72	Multichannel photodiode detector for ultrafast optical spectroscopy. <i>Review of Scientific Instruments</i> , 2014, 85, 123111.	1.3	1

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73	Strain-Induced Enhancement of the Electron Energy Relaxation in Strongly Correlated Superconductors. <i>Physical Review X</i> , 2014, 4, .	8.9	13
74	MoS <sub>2</sub> nanotube field effect transistors. <i>AIP Advances</i> , 2014, 4, .	1.3	46
75	Ultrafast Switching to a Stable Hidden Quantum State in an Electronic Crystal. <i>Science</i> , 2014, 344, 177-180.	12.6	502
76	The effect of Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> nanowires on the thermal and mechanical properties of polyamide 12. <i>Composites Part B: Engineering</i> , 2014, 56, 62-67.	12.0	4
77	Rotational symmetry breaking in $\text{Bi}_2\text{O}_8$ by polarized femtosecond spectroscopy. <i>Physical Review B</i> . 2014. 90. .	3.2	17
78	Photoexcited Eu <sup>2+</sup> spin dynamics in EuFe <sub>2</sub> As <sub>2</sub> . <i>Optics and Spectroscopy (English Translation of Optika I)</i> Tj ETQq0.0.0 rgBT /Overlock 10.6	0.6	0
79	Amplified ultraviolet detection of natural DNA based on MoS <sub>2</sub> nanowires. <i>Chinese Chemical Letters</i> , 2014, 25, 645-648.	9.0	2
80	Spectrally resolved femtosecond reflectivity relaxation dynamics in undoped spin-density wave 122-structure iron-based pnictides. <i>Physical Review B</i> , 2014, 89, .	3.2	15
81	MoS <sub>2</sub> nanowires as additives for enhanced organic solar cell performance. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 63-66.	6.2	19
82	Separating pairing from quantum phase coherence dynamics above the superconducting transition by femtosecond spectroscopy. <i>Scientific Reports</i> , 2014, 4, 5656.	3.3	27
83	Dynamics of Photoexcited Carriers in Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> Single Crystals with Spin-Density-Wave Ordering. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 2593-2596.	1.8	0
84	Amplified optical transduction of proteins derived from MoS <sub>2</sub> nanowires. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 326-330.	4.4	1
85	Coherent topological defect dynamics and collective modes in superconductors and electronic crystals. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 404206.	1.8	7
86	Impact of pseudogap on photoinduced superconducting phase transition in underdoped Bi <sub>2</sub> 212. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 493, 112-113.	1.2	1
87	Incoherent Topological Defect Recombination Dynamics in $\text{TbTe}_3$ . <i>Physical Review Letters</i> . 2013. 110. 156401.	7.8	34
88	Burkitt Lymphoma in Elderly Patients. <i>Acta Facultatis Medicae Naissensis</i> , 2013, 30, 103-109.	0.4	0
89	Normal state bottleneck and nematic fluctuations from femtosecond quasiparticle relaxation dynamics in Sm(Fe,Co)AsO. <i>Physical Review B</i> , 2013, 87, .	3.2	10
90	Peutz-Jeghers syndrome: Quantitative study on enterochromaffin cells in hamartomatous intestine polyps. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2013, 141, 602-607.	0.2	2

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91	Nanoscale stoichiometric modifications and surface charge patterning of La <sub>1.975</sub> Sr <sub>0.025</sub> CuO <sub>4</sub> +f crystals with a biased atomic force microscope tip. Journal Physics D: Applied Physics, 2012, 45, 125302.	2.8	3
92	Primary leptomenigeal melanocytosis: A case report with an autopsy diagnosis. Vojnosanitetski Pregled, 2012, 69, 631-634.	0.2	4
93	Doping dependence of femtosecond quasiparticle relaxation dynamics in Ba(Fe,Co)2As2 single crystals: Evidence for normal-state nematic fluctuations. Physical Review B, 2012, 86, .	3.2	44
94	Low pressure, low temperature synthesis of Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> molecular wires suitable for upscaling. Synthetic Metals, 2012, 162, 1677-1680.	3.9	3
95	Composites of poly(ε-caprolactone) and Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> Nanowires. Polymers for Advanced Technologies, 2012, 23, 149-160.	3.2	17
96	On determining the strength of the electron-phonon interaction from electron energy relaxation times. Journal of Applied Physics, 2012, 111, 112605.	2.5	7
97	Preoperative angiographic selective methylene blue staining of large bowel angiodysplasia in an elderly patient case report. International Journal of Colorectal Disease, 2012, 27, 261-263.	2.2	0
98	Ionization Energy and Energy Gap Structure of MoSI Molecular Wires: Kelvin Probe, Ultraviolet Photoelectron Spectroscopy, and Cyclic Voltammetry Measurements. Langmuir, 2011, 27, 4296-4299.	3.5	11
99	$T_j = \frac{1}{\epsilon_0} \frac{q_1}{4\pi r^2} \frac{1}{v} \left( \frac{v}{c} \right)^2$ stretchy="false"></mml:mo><mml:mi>BEDT</mml:mi><mml:mtext> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 507417 Td (<math>		
100	Dynamical Structural Instabilities in La <sub>1.9</sub> Sr <sub>0.1</sub> CuO <sub>4</sub> Under Intense Laser Photoexcitation. Journal of Superconductivity and Novel Magnetism, 2011, 24, 421-425.	1.8	5
101	Doping Dependent Quasiparticle Relaxation Dynamics in SmFeAsO <sub>1-x</sub> F <sub>x</sub> Single Crystals: Comparison of Spin-Density Wave and Superconducting States. Journal of Superconductivity and Novel Magnetism, 2011, 24, 489-493.	1.8	1
102	Femtosecond Coherent Non-equilibrium Electronic Ordering and Dynamics of Topological Defect in Charge Density Waves. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1191-1193.	1.8	3
103	Thionin attached to a gold electrode modified with self-assembly of Mo <sub>6</sub> S <sub>9</sub> I nanowires for amplified electrochemical detection of natural DNA. Biosensors and Bioelectronics, 2011, 26, 1866-1870.	10.1	24
104	Aptamer conjugated Mo <sub>6</sub> S <sub>9</sub> I nanowires for direct and highly sensitive electrochemical sensing of thrombin. Biosensors and Bioelectronics, 2011, 26, 1853-1859.	10.1	31
105	Mechanisms of nonthermal destruction of the superconducting state and melting of the charge-density-wave state by femtosecond laser pulses. Physical Review B, 2011, 84, . Quasiparticle relaxation dynamics in underdoped Bi<math>	3.2	47
106	$T_c \propto \frac{1}{\sqrt{2}} \frac{v_F}{v} \left( \frac{v}{c} \right)^2$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Sr<math>	3.2	34
107	$T_c \propto \frac{1}{\sqrt{2}} \frac{v_F}{v} \left( \frac{v}{c} \right)^2$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>CaCu<math>		0
108	Electron-phonon coupling in cuprate high-temperature superconductors determined from electron relaxation rates. 2011 Anharmonic order-parameter oscillations and lattice coupling in strongly driven 1%<math>		
	$T_c \propto \frac{1}{\sqrt{2}} \frac{v_F}{v} \left( \frac{v}{c} \right)^2$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>T</mml:mi><mml:mo>^</mml:mo><mml:msub><mml:mi>mathvariant="normal">TaS</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>and</td> <td></td> <td></td>		
	$T_c \propto \frac{1}{\sqrt{2}} \frac{v_F}{v} \left( \frac{v}{c} \right)^2$ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>mathvariant="normal">TbTe</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msu.		

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109	Ultrafast phase separation dynamics in La <sub>0.875</sub> Sr <sub>0.125</sub> MnO <sub>3</sub> single crystals. Physical Review B, 2011, 83, .	3.2	6
110	Polaron and bipolaron transport in a charge segregated state of a doped strongly correlated two-dimensional semiconductor. Physical Review B, 2011, 83, .	3.2	1
111	Electron relaxation in metals and high-T <sub>c</sub> superconductors on the 10-fs timescale. , 2011, , .		2
112	Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> molecular wires: from one-dimensional electron fluids to a self-organised critical self-assembled network. Journal of Physics: Conference Series, 2010, 248, 012032.	0.4	1
113	Investigation of thermostability and phonon-phonon interactions in Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> nanowires by Raman scattering spectroscopy. Journal of Raman Spectroscopy, 2010, 41, 978-982.	2.5	6
114	Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> -Au composites: Synthesis, conductance, and applications. Journal of Colloid and Interface Science, 2010, 348, 299-302.	9.4	2
115	Mo <sub>6</sub> S <sub>3</sub> I <sub>6</sub> molecular wires: From a one-dimensional quantum fluid to self-organized critical self-assembled networks. Physica Status Solidi (B): Basic Research, 2010, 247, 3014-3017.	1.5	0
116	Coherent dynamics of macroscopic electronic order through a symmetry breaking transition. Nature Physics, 2010, 6, 681-684.	16.7	189
117	Quasiparticle relaxation dynamics in spin-density-wave and superconducting SmFeAsO <sub>1-x</sub> crystals. Physical Review B, 2010, 81, .	3.2	51
118	Strong Correlations in Highly Electron-Doped Zn(II)-DNA Complexes. Physical Review Letters, 2010, 104, 156804.	7.8	22
119	Electron-phonon coupling and the charge gap of spin-density wave iron-pnictide materials from quasiparticle relaxation dynamics. Physical Review B, 2010, 82, .	3.2	48
120	Electron-Phonon Coupling in High-Temperature Cuprate Superconductors Determined from Electron Relaxation Rates. Physical Review Letters, 2010, 105, 257001.	7.8	131
121	Two-terminal nanoelectromechanical bistable switches based on molybdenum-sulfur-iodine molecular wire bundles. Nanotechnology, 2010, 21, 125706.	2.6	25
122	Nanowire transformation and annealing by Joule heating. Nanotechnology, 2010, 21, 165704.	2.6	36
123	Bonding States in Molecular-Scale MoSI Nanowire-Gold Nanoparticle Networks. Journal of Physical Chemistry Letters, 2010, 1, 393-397.	4.6	6
124	Large spectral shifts of electronic transitions in MoSI molecular wire dispersions as a function of bundle diameter. Synthetic Metals, 2010, 160, 2389-2392.	3.9	2
125	Critical phenomena and femtosecond ordering dynamics associated with electronic and spin-ordered phases in YVO <sub>3</sub> and GdVO <sub>3</sub> . Physical Review B, 2010, 81, .	3.2	17
126	A facile route to self-assembled Hg/MoSI nanowire networks. New Journal of Chemistry, 2010, 34, 2241.	2.8	0



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127	Processing and characterisation of Mo <sub>6</sub> S <sub>2</sub> I <sub>8</sub> nanowires. Physical Chemistry Chemical Physics, 2010, 12, 433-441.	2.8	3
128	Electron-Phonon Coupling in Cuprate High-Temperature Superconductors Determined from Femtosecond Electron Relaxation Rates. , 2010, , .		1
129	Quantum charge transport in $\langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \text{Mo} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \langle \text{mml:mtext} \text{nanowire circuits. Physical Review B, 2009, 80, ,$		
130	Temperature and fluence dependence of ultrafast phase-separation dynamics in Pr <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> thin films. Physical Review B, 2009, 80, .	3.2	2
131	Fine Structure in the Electronic Density of States near the Fermi Energy of Al-Ni-Co Decagonal Quasicrystal from Ultrafast Time-Resolved Optical Reflectivity. Physical Review Letters, 2009, 102, 086405.	7.8	8
132	Distinct Pseudogap and Quasiparticle Relaxation Dynamics in the Superconducting State of Nearly Optimally Doped $\langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{SmFeAsO} \langle \text{mml:mi} \langle \text{mml:mrow} \langle \text{mml:mtext} \text{0.8} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="bold"} \text{F} \langle \text{mml:mi} \langle \text{mml:mrow} \langle \text{mml:mtext} \text{0.2} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:math} \text{Single Crystals. Physical Review Letters, 2009, 102, 117002.$	8.5	85
133	Ultrafast photoinduced phase separation dynamics in Pr <sub>0.6</sub> Ca <sub>0.4</sub> MnO <sub>3</sub> thin films. Europhysics Letters, 2009, 86, 57003.	2.0	8
134	A Novel Hydrogen Peroxide Amperometric Sensor based on Thionin Incorporated onto a Mo <sub>6</sub> S <sub>9</sub> I <sub>9</sub> Nanowire Modified Glassy Carbon Electrode. Electroanalysis, 2009, 21, 2602-2606.	2.9	16
135	Inorganic molecular wires: Physical and functional properties of transition metal chalcogenide polymers. Progress in Materials Science, 2009, 54, 309-350.	32.8	71
136	Bipolaron Jahn-Teller Pairing and Charge Transport in Cuprates. Journal of Superconductivity and Novel Magnetism, 2009, 22, 281-285.	1.8	8
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