

D Mihailovic

List of Publications by Year in descending order

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395
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Self-Assembly of Subnanometer-Diameter Single-Wall MoS ₂ Nanotubes. <i>Science</i> , 2001, 292, 479-481.	6.0	503
2	Ultrafast Switching to a Stable Hidden Quantum State in an Electronic Crystal. <i>Science</i> , 2014, 344, 177-180.	6.0	502
3	Ultrafast optical spectroscopy of strongly correlated materials and high-temperature superconductors: a non-equilibrium approach. <i>Advances in Physics</i> , 2016, 65, 58-238.	35.9	325
4	Quasiparticle relaxation dynamics in superconductors with different gap structures: Theory and experiments on YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 1999, 59, 1497-1506.	1.1	287
5	Superconducting Gap ^c , the Pseudogap ^p , and Pair Fluctuations above T _c in Overdoped Y _{1-x} CaxBa ₂ Cu ₃ O _{7-δ} from Femtosecond Time-Domain Spectroscopy. <i>Physical Review Letters</i> , 1999, 82, 4918-4921.	2.9	266
6	Single Particle and Collective Excitations in the One-Dimensional Charge Density Wave Solid K _{0.3} MoO ₃ Probed in Real Time by Femtosecond Spectroscopy. <i>Physical Review Letters</i> , 1999, 83, 800-803.	2.9	215
7	Dichalcogenide Nanotube Electrodes for Li-Ion Batteries. <i>Advanced Materials</i> , 2002, 14, 1531-1534.	11.1	206
8	Coherent dynamics of macroscopic electronic order through a symmetry breaking transition. <i>Nature Physics</i> , 2010, 6, 681-684.	6.5	189
9	Application of the polaron-transport theory to $\tilde{f}(\tilde{\omega})$ in Tl ₂ Ba ₂ Ca _{1-x} GdxCu ₂ O ₈ , YBa ₂ Cu ₃ O _{7-δ} , and La _{2-x} SrxCuO ₄ . <i>Physical Review B</i> , 1990, 42, 7989-7993.	1.1	179
10	Evidence for Two-Component High-Temperature Superconductivity in the Femtosecond Optical Response of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review Letters</i> , 1997, 78, 2212-2215.	2.9	168
11	Origin of ferromagnetic exchange interactions in a fullerene-organic compound. <i>Nature</i> , 2000, 407, 883-885.	13.7	166
12	Fast electronic resistance switching involving hidden charge density wave states. <i>Nature Communications</i> , 2016, 7, 11442.	5.8	151
13	A high-temperature quantum spin liquid with polaron spins. <i>Nature Physics</i> , 2017, 13, 1130-1134.	6.5	132
14	Electron-Phonon Coupling in High-Temperature Cuprate Superconductors Determined from Electron Relaxation Rates. <i>Physical Review Letters</i> , 2010, 105, 257001.	2.9	131
15	Controlling the metal-to-insulator relaxation of the metastable hidden quantum state in 1T-TaS ₂ . <i>Science Advances</i> , 2015, 1, e1500168.	4.7	128
16	Kinetics of a Superconductor Excited with a Femtosecond Optical Pulse. <i>Physical Review Letters</i> , 2005, 95, 147002.	2.9	125
17	Shear and Young's Moduli of MoS ₂ Nanotube Ropes. <i>Advanced Materials</i> , 2003, 15, 733-736.	11.1	123
18	Substitution effects on bipolarons in alkoxy derivatives of poly(1,4-phenylene-vinylene). <i>Physical Review B</i> , 1991, 43, 5109-5118.	1.1	122

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19	Femtosecond snapshots of gap-forming charge-density-wave correlations in quasi-two-dimensional dichalcogenides $1T\text{-TaS}_2$ and $2H\text{-TaSe}_2$. Physical Review B, 2002, 66, .	1.1	115
20	Air-stable monodispersed $\text{Mo}_6\text{S}_3\text{I}_6$ nanowires. Nanotechnology, 2004, 15, 635-638.	1.3	112
21	Controlled Vaporization of the Superconducting Condensate in Cuprate Superconductors by Femtosecond Photoexcitation. Physical Review Letters, 2008, 101, 227001.	2.9	107
22	Solubility of $\text{Mo}_6\text{S}_4\text{I}_4\text{S}_5$ Nanowires in Common Solvents: A Sedimentation Study. Journal of Physical Chemistry B, 2005, 109, 7124-7133.	1.2	105
23	Addition of Carbon Radicals Generated from Organic Peroxides to Single Wall Carbon Nanotubes. Chemistry of Materials, 2003, 15, 4751-4755.	3.2	104
24	Optically excited structural transition in atomic wires on surfaces at the quantum limit. Nature, 2017, 544, 207-211.	13.7	99
25	Orientational and Magnetic Ordering of Buckyballs in TDAE-C60. Science, 1995, 268, 400-402.	6.0	95
26	Selective etching of metallic single-wall carbon nanotubes with hydrogen plasma. Nanotechnology, 2005, 16, 278-281.	1.3	95
27	Distinct Pseudogap and Quasiparticle Relaxation Dynamics in the Superconducting State of Nearly Optimally Doped $\text{SmFeAsO}_{0.8}$. Physical Review Letters, 2008, 101, 246402.	2.9	85
28	Single-Particle and Collective Mode Couplings Associated with 1- and 2-Directional Electronic Ordering in Metallic R_2Te_3 . Physical Review Letters, 2008, 101, 246402.	2.9	82
29	Simultaneous Determination of Copper, Lead, and Cadmium Ions at a $\text{Mo}_6\text{S}_9\text{I}_x$ Nanowires Modified Glassy Carbon Electrode Using Differential Pulse Anodic Stripping Voltammetry. Electrochimica Acta, 2015, 154, 184-189.	2.6	81
30	Charge Photogeneration in Few-Layer MoS_2 . Advanced Functional Materials, 2015, 25, 3351-3358.	7.8	76
31	Carbon nanocoatings on active materials for Li-ion batteries. Journal of the European Ceramic Society, 2007, 27, 909-913.	2.8	75
32	The attainable superconducting T_c in a model of phase coherence by percolating. Europhysics Letters, 2002, 57, 254-259.	0.7	74
33	Inorganic molecular wires: Physical and functional properties of transition metal chalcogenide polymers. Progress in Materials Science, 2009, 54, 309-350.	16.0	71
34	Atomic and electronic structure of $\text{Mo}_6\text{S}_9\text{I}_x$ nanowires. Nanotechnology, 2005, 16, 1578-1583.	1.3	69
35	Quasiparticle dynamics and gap structure in $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_8$ investigated with femtosecond spectroscopy. Physical Review B, 2001, 63, .	1.1	65
36	Antiferromagnetic Correlations and Weak Ferromagnetism in a TDAE-C60 Single Crystal. Physical Review Letters, 1996, 76, 523-526.	2.9	64

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37	Investigation of Encapsulation and Solvatochromism of Fullerenes in Binary Solvent Mixtures. Journal of Physical Chemistry B, 1999, 103, 11256-11260.	1.2	62
38	Finite wave vector Jahn-Teller pairing and superconductivity in the cuprates. Physical Review B, 2001, 63, .	1.1	61
39	Exciton and charge carrier dynamics in few-layer WS ₂ . Nanoscale, 2016, 8, 5428-5434.	2.8	61
40	Optical time-of-flight measurement of carrier diffusion and trapping in an InGaAs/InP heterostructure. Applied Physics Letters, 1987, 51, 590-592.	1.5	60
41	Pyroelectric and piezoelectric effects in single crystals of YBa ₂ Cu ₃ O _{7-δ} . Solid State Communications, 1990, 75, 319-323.	0.9	59
42	Solubility of MoS ₂ nanowires. Chemical Physics Letters, 2005, 401, 13-18.	1.2	55
43	Field-emission properties of molybdenum disulfide nanotubes. Applied Physics Letters, 2003, 82, 4573-4575.	1.5	54
44	Charged Particles on a Two-Dimensional Lattice Subject to Anisotropic Jahn-Teller Interactions. Physical Review Letters, 2005, 94, 147003.	2.9	54
45	Spectroscopic studies of a soluble and stable polyacetylene blend. Synthetic Metals, 1993, 53, 161-174.	2.1	52
46	Ferromagnetism in a cobaltocene-doped fullerene derivative below 19 K due to unpaired spins only on fullerene molecules. Chemical Physics Letters, 1998, 298, 329-334.	1.2	52
47	MoS ₂ Nanowire Recognitive Molecular-Scale Connectivity. Nano Letters, 2007, 7, 1445-1448.	4.5	51
48	Quasiparticle relaxation dynamics in spin-density-wave and superconducting SmFeAsO crystals. Physical Review B, 2010, 81, .	1.1	51
49	Intertwined chiral charge orders and topological stabilization of the light-induced state of a prototypical transition metal dichalcogenide. Npj Quantum Materials, 2019, 4, .	1.8	51
50	Tribological properties of MoS ₂ nanowires as additive in oil. Tribology Letters, 2005, 18, 385-393.	1.2	49
51	Electron-phonon coupling and the charge gap of spin-density wave iron-pnictide materials from quasiparticle relaxation dynamics. Physical Review B, 2010, 82, .	1.1	48
52	Anomalous shifts of oxygen-mode frequencies in $\text{La}_2\text{SrxCuO}_4$, $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ and $\text{Tl}_2\text{Ba}_2\text{Ca}_1\text{GdxCu}_2\text{O}_8$ studied by photoinduced infrared absorption and Raman spectroscopy. Physical Review B, 1991, 44, 237-241.	1.1	47
53	MAGNETIC RESONANCE INVESTIGATION OF THE MAGNETIC TRANSITION IN TDAE-C60. International Journal of Modern Physics B, 1992, 06, 3947-3951.	1.0	47
54	A systematic study of femtosecond quasiparticle relaxation processes in $\text{La}_2\text{SrxCuO}_4$. Physical Review B, 2005, 72, .	1.1	47

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55	Mechanisms of nonthermal destruction of the superconducting state and melting of the charge-density-wave state by femtosecond laser pulses. <i>Physical Review B</i> , 2011, 84, .	1.1	47
56	ab-plane optical conductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ above and below T^* . <i>Physical Review B</i> , 1998, 57, 6116-6120.	1.1	46
57	Femtosecond quasiparticle relaxation dynamics and probe polarization anisotropy in $\text{YSr}_x\text{Ba}_{2-x}\text{Cu}_4\text{O}_8$ ($x=0,0.4$). <i>Physical Review B</i> , 2002, 66, .	1.1	46
58	MoS ₂ nanotube field effect transistors. <i>AIP Advances</i> , 2014, 4, .	0.6	46
59	Quantum jamming transition to a correlated electron glass in 1T-TaS ₂ . <i>Nature Materials</i> , 2019, 18, 1078-1083.	13.3	45
60	Femtosecond data storage, processing, and search using collective excitations of a macroscopic quantum state. <i>Applied Physics Letters</i> , 2002, 80, 871-873.	1.5	44
61	Doping dependence of femtosecond quasiparticle relaxation dynamics in $\text{Ba}(\text{Fe},\text{Co})_2\text{As}_2$ single crystals: Evidence for normal-state nematic fluctuations. <i>Physical Review B</i> , 2012, 86, .	1.1	44
62	Anharmonic effects and the two-particle continuum in the Raman spectra of $\text{YBa}_2\text{Cu}_3\text{O}_{6.9}$, $\text{TlBa}_2\text{CaCu}_2\text{O}_7$, and $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$. <i>Physical Review B</i> , 1993, 47, 8910-8916.	1.1	42
63	Observation of van der Waals Driven Self-Assembly of MoSI Nanowires into a Low-Symmetry Structure Using Aberration-Corrected Electron Microscopy. <i>Advanced Materials</i> , 2007, 19, 543-547.	11.1	42
64	Infrared reflection of epitaxial $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$ thin films in the normal and superconducting states. <i>Solid State Communications</i> , 1990, 76, 651-654.	0.9	39
65	Distinct charge and spin gaps in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ from analysis of NMR, neutron scattering, tunneling, and quasiparticle relaxation experiments. <i>Physical Review B</i> , 1999, 60, R6995-R6997.	1.1	39
66	Photoconductivity in insulating $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$: From Mott-Hubbard insulator to Fermi glass via oxygen doping. <i>Physical Review B</i> , 1993, 48, 7545-7553.	1.1	38
67	Rotational symmetry breaking in Bi_2O_8 by polarized femtosecond spectroscopy. <i>Physical Review B</i> , 2014, 90, .	1.1	37
68	Laser-driven quantum magnonics and terahertz dynamics of the order parameter in antiferromagnets. <i>Physical Review B</i> , 2019, 100, .	1.1	37
69	Anharmonicity and frequency shift of the apex oxygen O(4) Raman mode in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ as a function of doping. <i>Solid State Communications</i> , 1990, 74, 753-756.	0.9	36
70	Nanowire transformation and annealing by Joule heating. <i>Nanotechnology</i> , 2010, 21, 165704.	1.3	36
71	Interplay between antiferromagnetic and ferromagnetic phases of TDAE-C60: An ESR study of high-temperature annealed samples. <i>Physical Review B</i> , 1996, 53, R2922-R2925.	1.1	35
72	Transport properties of $\text{Mo}_6\text{S}_3\text{I}_6$ nanowire networks. <i>Applied Physics Letters</i> , 2006, 88, 173103.	1.5	35

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73	Dispersion and purification of MoS ₂ nanowires in organic solvents. Journal of Applied Physics, 2007, 101, 014317.	1.1	35
74	Unusual Magnetic State in Lithium-Doped MoS ₂ Nanotubes. Physical Review Letters, 2003, 90, 146401.	2.9	34
75	Observation of extremely low percolation threshold in MoS ₂ nanowire/polymer composites. Scripta Materialia, 2006, 54, 417-420.	2.6	34
76	Quasiparticle relaxation dynamics in underdoped Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review Letters, 2003, 90, 146401.	1.1	34
77	Incoherent Topological Defect Recombination Dynamics in Tl ₂ Te. Physical Review Letters, 2013, 110, 156401.	2.9	34
78	A structural and infrared study of the charge states of tetrakis (dimethylamino)ethylene (TDAE) in TDAE-C ₆₀ and (TDAE)(Cl) ₂ . Journal of Chemical Physics, 1999, 110, 3606-3611.	1.2	33
79	Pressure effect in TDAE-C ₆₀ ferromagnet: Mechanism and polymerization. Physical Review B, 2001, 63, .	1.1	32
80	Signatures of mesoscopic Jahn-Teller polaron inhomogeneities in high-temperature superconductors. Journal of Physics Condensed Matter, 2003, 15, L169-L175.	0.7	32
81	Three-dimensional resistivity and switching between correlated electronic states in 1T-TaS ₂ . Scientific Reports, 2017, 7, 46048.	1.6	32
82	Carrier-relaxation dynamics in intragap states: The case of the superconductor YBa ₂ Cu ₃ O _{7-δ} and the charge-density-wave semiconductor K _{0.3} MoO ₃ . Physical Review B, 2000, 61, 1477-1482.	1.1	31
83	Optical Experimental Evidence for a Universal Length Scale for the Dynamic Charge Inhomogeneity of Cuprate Superconductors. Physical Review Letters, 2005, 94, 207001.	2.9	31
84	Aptamer conjugated MoS ₂ nanowires for direct and highly sensitive electrochemical sensing of thrombin. Biosensors and Bioelectronics, 2011, 26, 1853-1859.	5.3	31
85	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.	2.2	30
86	Complete optical response of the magnetic fullerene derivative tetrakis(dimethylamino)ethylene-C ₆₀ . Physical Review B, 1995, 51, 1366-1369.	1.1	29
87	Conductivity of single MoS ₂ molecular nanowire bundles. Nanotechnology, 2006, 17, 5142-5146.	1.3	29
88	Photoexcited carrier relaxation and localization in Bi ₂ Sr ₂ Ca _{1-y} Y _y Cu ₂ O ₈ and YBa ₂ Cu ₃ O _{7-δ} : A study by femtosecond time-resolved spectroscopy. Physical Review B, 1996, 53, 12436-12440.	1.1	28
89	Debundling by dilution: Observation of significant populations of individual MoS ₂ nanowires in high concentration dispersions. Chemical Physics Letters, 2006, 425, 89-93.	1.2	28
90	Optical spectra of wet and dry M-DNA. Physical Review B, 2007, 75, .	1.1	28

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91	Stacking order dynamics in the quasi-two-dimensional dichalcogenide $1T-TaS_2$ probed with MeV ultrafast electron diffraction. <i>Structural Dynamics</i> , 2017, 4, 044020.	0.9	28
92	Zero and low field ESR of the magnetic transition in TDAE-C60. <i>Solid State Communications</i> , 1994, 90, 543-547.	0.9	27
93	Electrochemical preparation and characterisation of Li_2MoS_2 nanotubes. <i>Electrochimica Acta</i> , 2003, 48, 3079-3084.	2.6	27
94	Bioassembled Nanocircuits of MoS_2 Nanowires for Electrochemical Immunodetection of Estrone Hapten. <i>Analytical Chemistry</i> , 2008, 80, 3593-3597.	3.2	27
95	Separating pairing from quantum phase coherence dynamics above the superconducting transition by femtosecond spectroscopy. <i>Scientific Reports</i> , 2014, 4, 5656.	1.6	27
96	Real-time observation of the coherent transition to a metastable emergent state in $1T-TaS_2$. <i>Physical Review B</i> , 2018, 97, .	1.1	27
97	Ultrafast Dynamics of Photoexcited States in C_{60} . <i>Europhysics Letters</i> , 1994, 25, 403-408.	0.7	26
98	Manifestations of mesoscopic Jahn-Teller real-space pairing and clustering in $YBa_2Cu_3O_{7-x}$. <i>Physical Review B</i> , 2002, 65, .	1.1	26
99	Relaxation Dynamics and Photoinduced Phase Separation in $1T-TaS_2$. <i>Physical Review B</i> , 2018, 97, .	1.1	26
100	Evidence for carrier localization in the pseudogap state of cuprate superconductors from coherent quench experiments. <i>Nature Communications</i> , 2015, 6, 6958.	5.8	26
101	Nanomechanical Investigation of Mo_6S_9 Nanowire Bundles. <i>Small</i> , 2007, 3, 1544-1548.	5.2	25
102	Two-terminal nanoelectromechanical bistable switches based on molybdenum-sulfur-iodine molecular wire bundles. <i>Nanotechnology</i> , 2010, 21, 125706.	1.3	25
103	Nonequilibrium optical control of dynamical states in superconducting nanowire circuits. <i>Science Advances</i> , 2018, 4, eaao0043.	4.7	25
104	Proton NMR of the magnetic transition in TDAE-C60. <i>Solid State Communications</i> , 1994, 89, 487-491.	0.9	24
105	Photoexcited carrier relaxation in $YBa_2Cu_3O_{7-x}$ by picosecond resonant Raman spectroscopy. <i>Physical Review B</i> , 1997, 55, 6061-6069.	1.1	24
106	Quantum charge transport in Mo_6S_9 nanowire circuits. <i>Physical Review B</i> , 2009, 80, .	1.1	24
107	Thionin attached to a gold electrode modified with self-assembly of MoS_2 nanowires for amplified electrochemical detection of natural DNA. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1866-1870.	5.3	24
108	Transitions between photoinduced macroscopic quantum states in $1T-TaS_2$ controlled by substrate strain. <i>Applied Physics Express</i> , 2014, 7, 103201.	1.1	24

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109	Raman and infrared study of lattice vibrations in the high-Tc ceramics superconductor La _{2-x} Sr _x CuO ₄ . Solid State Communications, 1987, 64, 297-300.	0.9	23
110	Characterization of the pyroelectric effect in YBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 1993, 48, 16634-16640.	1.1	23
111	Atomic force microscope study of photo-polymerized and photo-dimerized epitaxial C ₆₀ films. Applied Physics Letters, 1997, 70, 417-419.	1.5	23
112	¹ / ₄ SR studies of organic and molecular magnets. Polyhedron, 2003, 22, 1973-1980.	1.0	23
113	Accurate Structure Determination of Mo ₆ S ₇ Nanowires from Atomic Pair Distribution Function (PDF) Analysis. Chemistry of Materials, 2006, 18, 100-106.	3.2	23
114	Nonlinear elastic and electronic properties of Mo ₆ S ₇ nanowires. Physical Review B, 2006, 74, .	1.1	23
115	Coexistence of ferromagnetism and superconductivity in iron based pnictides: a time resolved magneto-optical study. Scientific Reports, 2015, 5, 7754.	1.6	23
116	Electrical Conductivity in Dynamically Orientationally Disordered Systems: ac and dc Measurements in Ferromagnetic Single Crystals of TDAE-C ₆₀ . Physical Review Letters, 1996, 77, 2045-2048.	2.9	22
117	Fermi electron wave packet interference images on carbon nanotubes at room temperature. Applied Physics Letters, 2001, 78, 808-810.	1.5	22
118	Hole Interactions with Molecular Vibrations on DNA. Physical Review Letters, 2004, 93, 218101.	2.9	22
119	Field emission of point-electron source Mo ₆ S ₇ nanowires. Nanotechnology, 2005, 16, 1619-1622.	1.3	22
120	Strong Correlations in Highly Electron-Doped Zn(II)-DNA Complexes. Physical Review Letters, 2010, 104, 156804.	2.9	22
121	Ferroelectricity in YBa ₂ Cu ₃ O _{7-δ} and La ₂ CuO _{4+δ} single crystals. Physica C: Superconductivity and Its Applications, 1991, 185-189, 781-782.	0.6	21
122	Electron spin resonance of doped chalcogenide nanotubes. Physical Review B, 2003, 67, .	1.1	21
123	Self-organization of charged particles on a two-dimensional lattice subject to anisotropic Jahn-Teller-type interaction and three-dimensional Coulomb repulsion. Physical Review B, 2007, 76, .	1.1	21
124	Evidence for crossover from a Bose-Einstein condensate to a BCS-like superconductor with doping in YBa ₂ Cu ₃ O _{7-δ} from quasiparticle relaxation dynamics experiments. Europhysics Letters, 1999, 45, 381-386.	0.7	20
125	Low temperature structural analysis of a TDAE-C ₆₀ crystal. Chemical Communications, 1999, , 1511-1512.	2.2	20
126	Photoinduced infrared absorption in (La _{1-x} Sr _x Mn) _{1-x} O ₃ : Changes of the small polaron binding energy with doping. Physical Review B, 2000, 61, 15102-15107.	1.1	20

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127	An effective surfactant-free isolation procedure for single-wall carbon nanotubes. <i>Carbon</i> , 2002, 40, 2581-2585.	5.4	20
128	Controlling Disorder and Superconductivity in Titanium Oxynitride Nanoribbons with Anion Exchange. <i>ACS Nano</i> , 2015, 9, 10133-10141.	7.3	20
129	Charge trapping and coalescence dynamics in few layer MoS ₂ . <i>2D Materials</i> , 2018, 5, 015011.	2.0	20
130	A time-domain phase diagram of metastable states in a charge ordered quantum material. <i>Nature Communications</i> , 2021, 12, 2323.	5.8	20
131	Raman spectra on TDAE-C60single crystals. <i>Physical Review B</i> , 1997, 55, 3757-3762.	1.1	19
132	Divergence of the quasiparticle lifetime with doping and evidence for pre-formed pairs below T* in YBa ₂ Cu ₃ O _{7-δ} . <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1937-1941.	1.9	19
133	MoS ₂ nanowires as additives for enhanced organic solar cell performance. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 63-66.	3.0	19
134	Unconventional electroabsorption in monolayer MoS ₂ . <i>2D Materials</i> , 2017, 4, 021005.	2.0	19
135	Antiferrodistortive structural phase transition in the Jahn-Teller system DyKMo ₂ O ₈ . I. Raman scattering and infrared absorption studies. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, 3047-3061.	1.5	18
136	Symmetry-specific electron-phonon coupling for electronic states near the Fermi energy of metallic polyaniline: resonant Raman scattering. <i>Synthetic Metals</i> , 1994, 62, 107-112.	2.1	18
137	Inorganic Molecular-Scale MoSI Nanowire-Gold Nanoparticle Networks Exhibit Self-Organized Critical Self-Assembly. <i>Nano Letters</i> , 2009, 9, 1091-1095.	4.5	18
138	Pulsed ESR Study of the Magnetic Transition in TDAE-C ₆₀ . <i>Europhysics Letters</i> , 1994, 26, 707-711.	0.7	17
139	Evidence for polaronic states in metallic YBa ₂ Cu ₃ O _{6.9} and La _{1.85} Sr _{0.15} CuO ₄ from ultrafast phonon Raman spectroscopy. <i>Physica B: Condensed Matter</i> , 1996, 219-220, 142-144.	1.3	17
140	Critical phenomena and femtosecond ordering dynamics associated with electronic and spin-ordered phases in YVO ₃ and GdVO ₃ . <i>Physical Review B</i> , 2010, 81, .	1.1	17
141	Composites of poly(ϵ -caprolactone) and MoS ₃ Nanowires. <i>Polymers for Advanced Technologies</i> , 2012, 23, 149-160.	1.6	17
142	Room-temperature oxygen diffusion and ordering in YBa ₂ Cu ₃ O _{7-δ} studied with time-resolved Raman spectroscopy. <i>Physical Review B</i> , 1990, 42, 393-398.	1.1	16
143	Origin of different critical temperatures in oxide superconductors: A comparison of (Ti,Cd) ₂ (Ba,La) ₂ CuO ₆ with (La,Ba) ₂ CuO ₄ by Raman and infrared-absorption spectroscopy. <i>Physical Review B</i> , 1992, 45, 8016-8020.	1.1	16
144	Critical Exponents at the Ferromagnetic Transition in Tetrakis(dimethylamino)ethylene-C ₆₀ (TDAE-C ₆₀). <i>Physical Review Letters</i> , 2001, 87, 177205.	2.9	16

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145	Structural and mechanical properties of MoS ₂ nanotubes and MoS ₂ nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 684-688.	1.3	16
146	Two-channel electrical conduction in air-stable monodispersed MoS ₂ nanowire sheets. Journal of Applied Physics, 2006, 99, 064311.	1.1	16
147	Exfoliation of MoS ₂ nanowires in common solvents. EPJ Applied Physics, 2007, 37, 149-159.	0.3	16
148	A Novel Hydrogen Peroxide Amperometric Sensor based on Thionin Incorporated onto a MoS ₂ Nanowire Modified Glassy Carbon Electrode. Electroanalysis, 2009, 21, 2602-2606.	1.5	16
149	Factors determining large observed increases in power conversion efficiency of P3HT:PCBM solar cells embedded with MoS ₂ nanowires. Synthetic Metals, 2016, 212, 105-112.	2.1	16
150	Fabrication of poly(3-hexylthiophene) nanowires for high-mobility transistors. Organic Electronics, 2016, 30, 92-98.	1.4	16
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