Dmitri Basov

List of Publications by Year
in descending order

190	20,049	23879 60	12272 138
papers	citations	h-index	g-index

197	197	197	19151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extracting the Strain Matrix and Twist Angle from the MoirÃ© Superlattice in van der Waals Heterostructures. ACS Nano, 2022, 16, 1471-1476.	7.3	10
2	Nano-spectroscopy of excitons in atomically thin transition metal dichalcogenides. Nature Communications, 2022, 13, 542.	5.8	23
3	In-Plane Anisotropy in Biaxial ReS₂ Crystals Probed by Nano-Optical Imaging of Waveguide Modes. ACS Photonics, 2022, 9, 443-451.	3.2	12
4	Nanometer-Scale Lateral pâ€“n Junctions in Graphene/Î±-RuCl₃ Heterostructures. Nano Letters, 2022, 22, 1946-1953.	4.5	25
5	Rapid simulations of hyperspectral near-field images of three-dimensional heterogeneous surfaces â€“ part II. Optics Express, 2022, 30, 11228.	1.7	12
6	Near-field nanoscopy of excitons and ultrafast interlayer dynamics in van der Waals crystals. , 2022, , .		0
7	Visualizing Atomically Layered Magnetism in CrSBr. Advanced Materials, 2022, 34, e2201000.	11.1	22
8	Graphene as a source of entangled plasmons. Physical Review Research, 2022, 4, .	1.3	4
9	Surface plasmons induce topological transition in graphene/Î±-MoO3 heterostructures. Nature Communications, 2022, 13, .	5.8	30
10	Nanoscale Femtosecond Dynamics of Mott Insulator (Ca_{0.99}Sr_{0.01})₂RuO₄. Nano Letters, 2022, 22, 5689-5697.	4.5	5
11	A near-field study of VO2/(100)TiO2 film and its crack-induced strain relief. Applied Physics Letters, 2022, 121, .	1.5	3
12	Hyperbolic Cooper-Pair Polaritons in Planar Graphene/Cuprate Plasmonic Cavities. Nano Letters, 2021, 21, 308-316.	4.5	13
13	MoirÃ© metrology of energy landscapes in van der Waals heterostructures. Nature Communications, 2021, 12, 242.	5.8	60
14	Harnessing ultraconfined graphene plasmons to probe the electrodynamics of superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
15	Dual-Gated Graphene Devices for Near-Field Nano-imaging. Nano Letters, 2021, 21, 1688-1693.	4.5	13
16	Deep moirÃ© potentials in twisted transition metal dichalcogenide bilayers. Nature Physics, 2021, 17, 720-725.	6.5	124
17	MoirÃ© heterostructures as a condensed-matter quantum simulator. Nature Physics, 2021, 17, 155-163.	6.5	317
18	Programmable hyperbolic polaritons in van der Waals semiconductors. Science, 2021, 371, 617-620.	6.0	58

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19	Enhanced tunable second harmonic generation from twistable interfaces and vertical superlattices in boron nitride homostructures. Science Advances, 2021, 7, .	4.7	73
20	Hyperbolic enhancement of photocurrent patterns in minimally twisted bilayer graphene. Nature Communications, 2021, 12, 1641.	5.8	34
21	Programmable Bloch polaritons in graphene. Science Advances, 2021, 7, .	4.7	12
22	Probing subwavelength in-plane anisotropy with antenna-assisted infrared nano-spectroscopy. Nature Communications, 2021, 12, 2649.	5.8	9
23	Nano-imaging of strain-tuned stripe textures in a Mott crystal. Npj Quantum Materials, 2021, 6, .	1.8	12
24	Fizeau drag in graphene plasmonics. Nature, 2021, 594, 513-516.	13.7	57
25	Long-Lived Phonon Polaritons in Hyperbolic Materials. Nano Letters, 2021, 21, 5767-5773.	4.5	38
26	Revealing Abnormal Phonon Polaritons Confined at the Edge of Curved Two-Dimensional Boron Nitride. Microscopy and Microanalysis, 2021, 27, 130-132.	0.2	0
27	Hybrid Machine Learning for Scanning Near-Field Optical Spectroscopy. ACS Photonics, 2021, 8, 2987-2996.	3.2	22
28	Terahertz response of monolayer and few-layer WTe2 at the nanoscale. Nature Communications, 2021, 12, 5594.	5.8	29
29	Ultrahigh-Resolution, Label-Free Hyperlens Imaging in the Mid-IR. Nano Letters, 2021, 21, 7921-7928.	4.5	17
30	Nanoscale lattice dynamics in hexagonal boron nitride moirÃ© superlattices. Nature Communications, 2021, 12, 5741.	5.8	34
31	MoirÃ©less correlations in ABCA graphene. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	59
32	Rapid simulations of hyperspectral near-field images of three-dimensional heterogeneous surfaces. Optics Express, 2021, 29, 39648.	1.7	12
33	Deep Learning Analysis of Polaritonic Wave Images. ACS Nano, 2021, 15, 18182-18191.	7.3	10
34	Nanotextured Dynamics of a Light-Induced Phase Transition in VO₂. Nano Letters, 2021, 21, 9052-9060.	4.5	14
35	Nonlinear nanoelectrodynamics of a Weyl metal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
36	Continuous Wave Sum Frequency Generation and Imaging of Monolayer and Heterobilayer Two-Dimensional Semiconductors. ACS Nano, 2020, 14, 708-714.	7.3	41

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37	Multi-messenger nanoprobes of hidden magnetism in a strained manganite. Nature Materials, 2020, 19, 397-404.	13.3	59
38	Excitons in strain-induced one-dimensional moirÃ© potentials at transition metal dichalcogenide heterojunctions. Nature Materials, 2020, 19, 1068-1073.	13.3	169
39	Femtosecond exciton dynamics in WSe2 optical waveguides. Nature Communications, 2020, 11, 3567.	5.8	31
40	Charge-Transfer Plasmon Polaritons at Graphene/Î±-RuCl₃ Interfaces. Nano Letters, 2020, 20, 8438-8445.	4.5	53
41	Quantitative Nanoinfrared Spectroscopy of Anisotropic van der Waals Materials. Nano Letters, 2020, 20, 7933-7940.	4.5	16
42	Visualization of moirÃ© superlattices. Nature Nanotechnology, 2020, 15, 580-584.	15.6	187
43	Electronic correlations in nodal-line semimetals. Nature Physics, 2020, 16, 636-641.	6.5	86
44	Nano-photocurrent Mapping of Local Electronic Structure in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 2958-2964.	4.5	34
45	Nanoscale Infrared Spectroscopy and Imaging of Catalytic Reactions in Cu₂O Crystals. ACS Photonics, 2020, 7, 576-580.	3.2	11
46	Low-loss composite photonic platform based on 2D semiconductor monolayers. Nature Photonics, 2020, 14, 256-262.	15.6	140
47	MoirÃ© engineering of electronic phenomena in correlated oxides. Nature Physics, 2020, 16, 631-635.	6.5	40
48	Collective modes and terahertz near-field response of superconductors. Physical Review Research, 2020, 2, .	1.3	38
49	Polariton panorama. Nanophotonics, 2020, 10, 549-577.	2.9	155
50	Photonics with hexagonal boron nitride. Nature Reviews Materials, 2019, 4, 552-567.	23.3	504
51	Strong Metasurfaceâ€“Josephson Plasma Resonance Coupling in Superconducting La 2â^' x Sr x CuO 4. Advanced Optical Materials, 2019, 7, 1900712.	3.6	9
52	Ultralow Loss Polaritons in Isotopically Pure Hexagonal Boron Nitride. , 2019, , .		0
53	Photonic crystal for graphene plasmons. Nature Communications, 2019, 10, 4780.	5.8	69
54	Ultrafast nonlocal collective dynamics of Kane plasmon-polaritons in a narrow-gap semiconductor. Science Advances, 2019, 5, eaau9956.	4.7	16

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55	Soliton superlattices in twisted hexagonal boron nitride. Nature Communications, 2019, 10, 4360.	5.8	51
56	Phaseâ€Change Hyperbolic Heterostructures for Nanopolaritonics: A Case Study of hBN/VO₂. Advanced Materials, 2019, 31, e1900251.	11.1	43
57	Modern Scatteringâ€Type Scanning Nearâ€Field Optical Microscopy for Advanced Material Research. Advanced Materials, 2019, 31, e1804774.	11.1	205
58	Photoenhanced metastable c-axis electrodynamics in stripe-ordered cuprate La _{1.885} Ba _{0.115} CuO ₄. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19875-19879.	3.3	51
59	Quantum materials: Insights from THz and Infrared Nano-Optics. , 2019, , .		0
60	Intertwined magnetic, structural, and electronic transitions in V2O3. Physical Review B, 2019, 100, .	1.1	14
61	Optical signatures of Dirac nodal lines in NbAs ₂. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1168-1173.	3.3	60
62	Third-order optical conductivity of an electron fluid. Physical Review B, 2018, 97, .	1.1	16
63	Intrinsic Charge Dynamics in High- Tc AFeAs(O,F) Superconductors. Physical Review Letters, 2018, 120, 087001.	2.9	7
64	Infrared nanoimaging of the metal-insulator transition in the charge-density-wave van der Waals material 1Tâ˜TaS2. Physical Review B, 2018, 97, .	1.1	9
65	Ultralow-loss polaritons in isotopically pure boronÂnitride. Nature Materials, 2018, 17, 134-139.	13.3	291
66	Internal strain tunes electronic correlations on the nanoscale. Science Advances, 2018, 4, eaau9123.	4.7	24
67	Photonic crystals for nano-light in moirÃ© graphene superlattices. Science, 2018, 362, 1153-1156.	6.0	273
68	Imaging the nanoscale phase separation in vanadium dioxide thin films at terahertz frequencies. Nature Communications, 2018, 9, 3604.	5.8	79
69	Fundamental limits to graphene plasmonics. Nature, 2018, 557, 530-533.	13.7	401
70	Superluminal plasmons with resonant gain in population inverted bilayer graphene. Physical Review B, 2018, 98, .	1.1	26
71	Coexisting first- and second-order electronic phase transitions in a correlated oxide. Nature Physics, 2018, 14, 1056-1061.	6.5	66
72	Internal Nanostructure Diagnosis with Hyperbolic Phonon Polaritons in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 5205-5210.	4.5	29

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73	Faraday Rotation Due to Surface States in the Topological Insulator (Bi_{1â€“x}Sb_x)₂Te₃. Nano Letters, 2017, 17, 980-984.	4.5	21
74	The quest for ultrafast plasmonics. Nature Nanotechnology, 2017, 12, 187-188.	15.6	9
75	Gate-Variable Mid-Infrared Optical Transitions in a (Bi_{1â€“x}Sb_x)₂Te₃ Topological Insulator. Nano Letters, 2017, 17, 255-260.	4.5	27
76	Band structure of a two-dimensional Dirac semimetal from cyclotron resonance. Physical Review B, 2017, 96, .	1.1	10
77	Towards properties on demand in quantum materials. Nature Materials, 2017, 16, 1077-1088.	13.3	560
78	Plasmonic imaging is gaining momentum. Science, 2017, 357, 132-133.	6.0	5
79	Intrinsic Plasmonâ€“Phonon Interactions in Highly Doped Graphene: AÂNear-Field Imaging Study. Nano Letters, 2017, 17, 5908-5913.	4.5	42
80	Imaging the Localized Plasmon Resonance Modes in Graphene Nanoribbons. Nano Letters, 2017, 17, 5423-5428.	4.5	51
81	Efficiency of Launching Highly Confined Polaritons by Infrared Light Incident on a Hyperbolic Material. Nano Letters, 2017, 17, 5285-5290.	4.5	79
82	Correlation-driven metal-insulator transition in proximity to an iron-based superconductor. Physical Review B, 2017, 96, .	1.1	13
83	Anisotropic electrodynamics of type-II Weyl semimetal candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2017, 95, .	1.1	74
84	Nanoscale electrodynamics of strongly correlated quantum materials. Reports on Progress in Physics, 2017, 80, 014501.	8.1	58
85	Nanotextured phase coexistence in the correlated insulator V2O3. Nature Physics, 2017, 13, 80-86.	6.5	172
86	Artifact free time resolved near-field spectroscopy. Optics Express, 2017, 25, 28589.	1.7	30
87	Cooperative photoinduced metastable phase control in strained manganite films. Nature Materials, 2016, 15, 956-960.	13.3	118
88	Generalized spectral method for near-field optical microscopy. Journal of Applied Physics, 2016, 119, .	1.1	51
89	Adiabatic Amplification of Plasmons and Demons in 2D Systems. Physical Review Letters, 2016, 117, 076805.	2.9	26
90	Tunable Plasmonic Reflection by Bound 1D Electron States in a 2D Dirac Metal. Physical Review Letters, 2016, 117, 086801.	2.9	31

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91	Random Field Driven Spatial Complexity at the Mott Transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>VO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2016, 116, 036401.	2.9	36
92	Electronic correlations and pressure-induced metallicity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaMnPO</mml:mi><mml:mrow><mml:mn>1 mathvariant="normal">F</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:mrow></mml:math>revealed via infrared spectroscopy. Physical Review B, 2016, 94, .	1.1	0
93	Polaritons in van der Waals materials. Science, 2016, 354, .	6.0	799
94	Ultraconfined Plasmonic Hotspots Inside Graphene Nanobubbles. Nano Letters, 2016, 16, 7842-7848.	4.5	40
95	Weak-coupling superconductivity in a strongly correlated iron pnictide. Scientific Reports, 2016, 6, 18620.	1.6	12
96	Quantum diffusion of electrons in quasiperiodic and periodic approximant lattices in the rare earth-cadmium system. Philosophical Magazine, 2016, 96, 1122-1130.	0.7	0
97	Ultrafast optical switching of infrared plasmon polaritons in high-mobility graphene. Nature Photonics, 2016, 10, 244-247.	15.6	312
98	Active Optical Metasurfaces Based on Defect-Engineered Phase-Transition Materials. Nano Letters, 2016, 16, 1050-1055.	4.5	186
99	Infrared probe of the bulk insulating response in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Bi</mml:mi><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">Sb</mml:mi><mml:msub><mml:mrow	11	16
100	Phase transition in bulk single crystals and thin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>by nanoscale infrared spectroscopy and imaging. Physical Review B, 2015, 91, .	1.1	88
101	Sum-Rule Constraints on the Surface State Conductance of Topological Insulators. Physical Review Letters, 2015, 115, 116804.	2.9	22
102	Tunneling Plasmonics in Bilayer Graphene. Nano Letters, 2015, 15, 4973-4978.	4.5	64
103	Tuning and Persistent Switching of Graphene Plasmons on a Ferroelectric Substrate. Nano Letters, 2015, 15, 4859-4864.	4.5	29
104	Hamiltonian Optics of Hyperbolic Polaritons in Nanogranules. Nano Letters, 2015, 15, 4455-4460.	4.5	32
105	Graphene on hexagonal boron nitride as a tunable hyperbolic metamaterial. Nature Nanotechnology, 2015, 10, 682-686.	15.6	526
106	Subdiffractional focusing and guiding of polaritonic rays in a natural hyperbolic material. Nature Communications, 2015, 6, 6963.	5.8	340
107	Plasmons in graphene moirÃ© superlattices. Nature Materials, 2015, 14, 1217-1222.	13.3	141
108	Edge and Surface Plasmons in Graphene Nanoribbons. Nano Letters, 2015, 15, 8271-8276.	4.5	162

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109	Shining Light on Transition-Metal Oxides: Unveiling the Hidden Fermi Liquid. Physical Review Letters, 2014, 113, 246404.	2.9	39
110	Infrared nanospectroscopy and imaging of collective superfluid excitations in anisotropic superconductors. Physical Review B, 2014, 90, .	1.1	31
111	Symmetry breaking and geometric confinement in VO2: Results from a three-dimensional infrared nano-imaging. Applied Physics Letters, 2014, 104, 121905.	1.5	36
112	Persistent Detwinning of Iron-Pnictide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>EuFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math> by Small External Magnetic Fields. Physical Review Letters, 2014, 113, 227001.	2.9	28
113	Origin of the charge gap in LaMnPO. Physical Review B, 2014, 90, .	1.1	18
114	Nanoscale infrared spectroscopy as a non-destructive probe of extraterrestrial samples. Nature Communications, 2014, 5, 5445.	5.8	52
115	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	1.1	21
116	Ultrafast and Nanoscale Plasmonic Phenomena in Exfoliated Graphene Revealed by Infrared Pumpâ€“Probe Nanoscopy. Nano Letters, 2014, 14, 894-900.	4.5	158
117	Infrared electrodynamics and ferromagnetism in the topological semiconductorsBi2Te3and Mn-dopedBi2Te3. Physical Review B, 2014, 89, .	1.1	21
118	Ultrafast Dynamics of Surface Plasmons in InAs by Time-Resolved Infrared Nanospectroscopy. Nano Letters, 2014, 14, 4529-4534.	4.5	92
119	Model for quantitative tip-enhanced spectroscopy and the extraction of nanoscale-resolved optical constants. Physical Review B, 2014, 90, .	1.1	140
120	Tunable Phonon Polaritons in Atomically Thin van der Waals Crystals of Boron Nitride. Science, 2014, 343, 1125-1129.	6.0	957
121	Nanoscale Infrared Spectroscopy:A non-Destructive Probe of Formation History in Extraterrestrial Samples. Microscopy and Microanalysis, 2014, 20, 1668-1669.	0.2	0
122	Two-dimensional reconfigurable gradient index memory metasurface. Applied Physics Letters, 2013, 102, .	1.5	11
123	Anisotropic Electronic State via Spontaneous Phase Separation in Strained Vanadium Dioxide Films. Physical Review Letters, 2013, 111, 096602.	2.9	122
124	Thickness-dependent bulk electronic properties in Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>thin films revealed by infrared spectroscopy. Physical Review B, 2013, 88, .	1.1	45
125	Electronic and plasmonic phenomena at graphene grain boundaries. Nature Nanotechnology, 2013, 8, 821-825.	15.6	226
126	High-quality Bi2Te3 thin films grown on mica substrates for potential optoelectronic applications. Applied Physics Letters, 2013, 103, .	1.5	50

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127	Ferromagnetism and infrared electrodynamics of Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:math	1.1	18
128	Infrared study of the electronic structure of the metallic pyrochlore iridate Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Ir<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	1.1	24
129	Anisotropic infrared response of vanadium dioxide microcrystals. Physical Review B, 2013, 87, .	1.1	41
130	Do organic and other exotic superconductors fail universal scaling relations?. Scientific Reports, 2013, 3, .	1.6	29
131	Infrared spectroscopy of narrow gap donor-acceptor polymer-based ambipolar transistors. Physical Review B, 2012, 86, .	1.1	7
132	Infrared conductivity of hole accumulation and depletion layers in (Ga,Mn)As- and (Ga,Be)As-based electric field-effect devices. Physical Review B, 2012, 86, .	1.1	9
133	Electronic Correlations and Unconventional Spectral Weight Transfer in the High-Temperature Pnictide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaFe</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â’</mml:mo><mml:mi>x</mml:mi> Using Infrared Spectroscopy. Physical Review Letters, 2012, 108, 147002.	2.9	69
134	Heterostructuring and strain effects on the infrared optical properties of nickelates. Physical Review B, 2012, 86, .	1.1	16
135	Magnetic and structural phase diagram of CaMn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Sb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	1.1	23
136	Near-field spectroscopy of silicon dioxide thin films. Physical Review B, 2012, 85, .	1.1	80
137	Ultra-thin perfect absorber employing a tunable phase change material. Applied Physics Letters, 2012, 101, .	1.5	519
138	Insulator-to-metal transition and correlated metallic state of V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math> investigated by optical spectroscopy. Physical Review B, 2012, 85, .	1.1	37
139	Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.91</mml:mn></mml:mrow></mml:msub></mml:math>Sb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.09</mml:mn></mml:mrow></mml:msub></mml:math>via magneto-optics. Physical Review B, 2012, 85, .	1.1	54
140	Gate-tuning of graphene plasmons revealed by infrared nano-imaging. Nature, 2012, 487, 82-85.	13.7	1,780
141	Reconfigurable gradient index using VO2 memory metamaterials. Applied Physics Letters, 2011, 99, .	1.5	83
142	Optical study of strained ultrathin films of strongly correlated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">LaNiO</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2011, 83, .	1.1	54
143	Nanoscale imaging of the electronic and structural transitions in vanadium dioxide. Physical Review B, 2011, 83, .	1.1	103
144	Electrodynamics of correlated electron materials. Reviews of Modern Physics, 2011, 83, 471-541.	16.4	633

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145	Chaotic memristor. Applied Physics A: Materials Science and Processing, 2011, 102, 885-889.	1.1	50
146	Phonon splitting and anomalous enhancement of infrared-active modes in BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math> from first principles. Physical Review B, 2011, 84, .	1.1	30
147	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>Ga</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi mathvariant="normal">x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi>Mn</mml:mi><mml:mi mathvariant="normal">x</mml:mi></mml:msub><mml:mi>As</mml:mi></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>	1.1	25
148	Optical probe of strong correlations in LaNiO3 thin films. Journal of Applied Physics, 2011, 110, .	1.1	28
149	Gap states in insulating LaMnPO1â^’xFx(x=0â€“0.3). Physical Review B, 2011, 84, .	1.1	22
150	Infrared signatures of high carrier densities induced in semiconducting poly(3-hexylthiophene) by fluorinated organosilane molecules. Journal of Applied Physics, 2010, 107, 123702.	1.1	19
151	Interplane charge dynamics in a valence-bond dynamical mean-field theory of cuprate superconductors. Physical Review B, 2010, 82, .	1.1	22
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