Dmitri Basov

List of Publications by Year in descending order

190 papers	20,049 citations	20759 60 h-index	10708 138 g-index
197 all docs	197 docs citations	197 times ranked	16638 citing authors

#	Article	IF	Citations
1	Gate-tuning of graphene plasmons revealed by infrared nano-imaging. Nature, 2012, 487, 82-85.	13.7	1,780
2	Mott Transition in VO ₂ Revealed by Infrared Spectroscopy and Nano-Imaging. Science, 2007, 318, 1750-1753.	6.0	1,246
3	Dirac charge dynamics in graphene by infrared spectroscopy. Nature Physics, 2008, 4, 532-535.	6.5	1,111
4	Tunable Phonon Polaritons in Atomically Thin van der Waals Crystals of Boron Nitride. Science, 2014, 343, 1125-1129.	6.0	957
5	Polaritons in van der Waals materials. Science, 2016, 354, .	6.0	799
6	Electrodynamics of correlated electron materials. Reviews of Modern Physics, 2011, 83, 471-541.	16.4	633
7	Towards properties on demand in quantum materials. Nature Materials, 2017, 16, 1077-1088.	13.3	560
8	Graphene on hexagonal boron nitride as a tunable hyperbolic metamaterial. Nature Nanotechnology, 2015, 10, 682-686.	15.6	526
9	Ultra-thin perfect absorber employing a tunable phase change material. Applied Physics Letters, 2012, 101, .	1.5	519
10	Photonics with hexagonal boron nitride. Nature Reviews Materials, 2019, 4, 552-567.	23.3	504
11	Fundamental limits to graphene plasmonics. Nature, 2018, 557, 530-533.	13.7	401
12	Subdiffractional focusing and guiding of polaritonic rays in a natural hyperbolic material. Nature Communications, 2015, 6, 6963.	5.8	340
13	Phase-transition driven memristive system. Applied Physics Letters, 2009, 95, .	1.5	322
14	Electronic correlations in the iron pnictides. Nature Physics, 2009, 5, 647-650.	6.5	317
15	MoirÃ© heterostructures as a condensed-matter quantum simulator. Nature Physics, 2021, 17, 155-163.	6.5	317
16	Ultrafast optical switching of infrared plasmon polaritons in high-mobility graphene. Nature Photonics, 2016, 10, 244-247.	15.6	312
17	Ultralow-loss polaritons in isotopically pure boronÂnitride. Nature Materials, 2018, 17, 134-139.	13.3	291
18	Dynamic tuning of an infrared hybrid-metamaterial resonance using vanadium dioxide. Applied Physics Letters, 2008, 93, .	1.5	279

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19	Photonic crystals for nano-light in moirÃ© graphene superlattices. Science, 2018, 362, 1153-1156.	6.0	273
20	Electrodynamics of the vanadium oxides<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><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>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	11	238
21	Electronic and plasmonic phenomena at graphene grain boundaries. Nature Nanotechnology, 2013, 8, 821-825.	15.6	226
22	Band Structure Asymmetry of Bilayer Graphene Revealed by Infrared Spectroscopy. Physical Review Letters, 2009, 102, 037403.	2.9	223
23	Optical characterization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> a magnetic field: Infrared evidence for magnetoelectric coupling in a topological insulator material. Physical Review B, 2010, 81, .	1.1	207
24	Modern Scatteringâ€Type Scanning Nearâ€Field Optical Microscopy for Advanced Material Research. Advanced Materials, 2019, 31, e1804774.	11.1	205
25	Visualization of moirÃ© superlattices. Nature Nanotechnology, 2020, 15, 580-584.	15.6	187
26	Active Optical Metasurfaces Based on Defect-Engineered Phase-Transition Materials. Nano Letters, 2016, 16, 1050-1055.	4.5	186
27	Nanotextured phase coexistence in the correlated insulator V2O3. Nature Physics, 2017, 13, 80-86.	6.5	172
28	Memristive adaptive filters. Applied Physics Letters, 2010, 97, .	1.5	171
29	Excitons in strain-induced one-dimensional moirÃ© potentials at transition metal dichalcogenide heterojunctions. Nature Materials, 2020, 19, 1068-1073.	13.3	169
30	Infrared spectroscopy and nano-imaging of the insulator-to-metal transition in vanadium dioxide. Physical Review B, 2009, 79, .	1.1	164
31	Edge and Surface Plasmons in Graphene Nanoribbons. Nano Letters, 2015, 15, 8271-8276.	4.5	162
32	Ultrafast and Nanoscale Plasmonic Phenomena in Exfoliated Graphene Revealed by Infrared Pumpâ€“Probe Nanoscopy. Nano Letters, 2014, 14, 894-900.	4.5	158
33	Polariton panorama. Nanophotonics, 2020, 10, 549-577.	2.9	155
34	Correlated metallic state of vanadium dioxide. Physical Review B, 2006, 74, .	1.1	154
35	Plasmons in graphene moirÃ© superlattices. Nature Materials, 2015, 14, 1217-1222.	13.3	141
36	Model for quantitative tip-enhanced spectroscopy and the extraction of nanoscale-resolved optical constants. Physical Review B, 2014, 90, .	1.1	140

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37	Low-loss composite photonic platform based on 2D semiconductor monolayers. Nature Photonics, 2020, 14, 256-262.	15.6	140
38	Deep moirÃ© potentials in twisted transition metal dichalcogenide bilayers. Nature Physics, 2021, 17, 720-725.	6.5	124
39	Anisotropic Electronic State via Spontaneous Phase Separation in Strained Vanadium Dioxide Films. Physical Review Letters, 2013, 111, 096602.	2.9	122
40	Electrodynamics of the nodal metal state in weakly doped high-Tccuprates. Physical Review B, 2005, 72, .	1.1	119
41	Cooperative photoinduced metastable phase control in strained manganite films. Nature Materials, 2016, 15, 956-960.	13.3	118
42	Infrared Probe of Transition from Superconductor to Nonmetal inYBa2(Cu1âˆ'xZnx)4O8. Physical Review Letters, 1998, 81, 2132-2135.	2.9	110
43	Electrical oscillations induced by the metal-insulator transition in VO2. Journal of Applied Physics, 2010, 107, .	1.1	105
44	Nanoscale imaging of the electronic and structural transitions in vanadium dioxide. Physical Review B, 2011, 83, .	1.1	103
45	Layered Ruthenium Oxides: From Band Metal to Mott Insulator. Physical Review Letters, 1998, 81, 2747-2750.	2.9	93
46	Ultrafast Dynamics of Surface Plasmons in InAs by Time-Resolved Infrared Nanospectroscopy. Nano Letters, 2014, 14, 4529-4534.	4.5	92
47	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
48	Electronic correlations in nodal-line semimetals. Nature Physics, 2020, 16, 636-641.	6.5	86
49	Reconfigurable gradient index using VO2 memory metamaterials. Applied Physics Letters, 2011, 99, .	1.5	83
50	Near-field spectroscopy of silicon dioxide thin films. Physical Review B, 2012, 85, .	1.1	80
51	Efficiency of Launching Highly Confined Polaritons by Infrared Light Incident on a Hyperbolic Material. Nano Letters, 2017, 17, 5285-5290.	4.5	79
52	Imaging the nanoscale phase separation in vanadium dioxide thin films at terahertz frequencies. Nature Communications, 2018, 9, 3604.	5.8	79
53	Ellipsometric study of the electronic structure ofGa1âˆ'xMnxAsand low-temperatureGaAs. Physical Review B, 2004, 70, .	1.1	76
54	Inhomogeneous electronic state near the insulator-to-metal transition in the correlated oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>VO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2009, 80, .	1.1	74

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55	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, .	3.7	74
56	Enhanced tunable second harmonic generation from twistable interfaces and vertical superlattices in boron nitride homostructures. Science Advances, 2021, 7, .	4.7	73
57	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></mml:mrow></mml:msub></mml:math> Using Infrared Spectroscopy. Physical Review Letters, 2012, 108, 147002.	2.9	69
58	Photonic crystal for graphene plasmons. Nature Communications, 2019, 10, 4780.	5.8	69
59	Coexisting first- and second-order electronic phase transitions in a correlated oxide. Nature Physics, 2018, 14, 1056-1061.	6.5	66
60	Tunneling Plasmonics in Bilayer Graphene. Nano Letters, 2015, 15, 4973-4978.	4.5	64
61	Electrostatic modification of infrared response in gated structures based on VO2. Applied Physics Letters, 2008, 92, .	1.5	60
62	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
63	MoirÃ© metrology of energy landscapes in van der Waals heterostructures. Nature Communications, 2021, 12, 242.	5.8	60
64	Optical studies of charge dynamics in optimally dopedBi2Sr2CaCu2O8+Î´. Physical Review B, 2002, 66, .	1.1	59
65	Multi-messenger nanoprobes of hidden magnetism in a strained manganite. Nature Materials, 2020, 19, 397-404.	13.3	59
66	MoirÃ©less correlations in ABCA graphene. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	59
67	Nanoscale electrodynamics of strongly correlated quantum materials. Reports on Progress in Physics, 2017, 80, 014501.	8.1	58
68	Programmable hyperbolic polaritons in van der Waals semiconductors. Science, 2021, 371, 617-620.	6.0	58
69	Fizeau drag in graphene plasmonics. Nature, 2021, 594, 513-516.	13.7	57
70	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
71	Surface states in the topological insulator Bi<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
72	Charge-Transfer Plasmon Polaritons at Graphene/Î±-RuCl₃ Interfaces. Nano Letters, 2020, 20, 8438-8445.	4.5	53

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73	Nanoscale infrared spectroscopy as a non-destructive probe of extraterrestrial samples. Nature Communications, 2014, 5, 5445.	5.8	52
74	Generalized spectral method for near-field optical microscopy. Journal of Applied Physics, 2016, 119, .	1.1	51
75	Imaging the Localized Plasmon Resonance Modes in Graphene Nanoribbons. Nano Letters, 2017, 17, 5423-5428.	4.5	51
76	Soliton superlattices in twisted hexagonal boron nitride. Nature Communications, 2019, 10, 4360.	5.8	51
77	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
78	Chaotic memristor. Applied Physics A: Materials Science and Processing, 2011, 102, 885-889.	1.1	50
79	High-quality Bi2Te3 thin films grown on mica substrates for potential optoelectronic applications. Applied Physics Letters, 2013, 103, .	1.5	50
80	Infrared probe of the anomalous magnetotransport of highly oriented pyrolytic graphite in the extreme quantum limit. Physical Review B, 2006, 74, .	1.1	49
81	Unconventional energetics of the pseudogap state and superconducting state in high-Tccuprates. Physical Review B, 2001, 63, .	1.1	47
82	Measuring the Josephson plasma resonance inBi2Sr2CaCu2O8using intense coherent THz synchrotron radiation. Physical Review B, 2004, 69, .	1.1	47
83	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
84	Infrared Studies of the Onset of Conductivity in Ultrathin Pb Films. Physical Review Letters, 1999, 83, 4880-4883.	2.9	44
85	Phaseâ€Change Hyperbolic Heterostructures for Nanopolaritonics: A Case Study of hBN/VO₂. Advanced Materials, 2019, 31, e1900251.	11.1	43
86	Intrinsic Plasmonâ€“Phonon Interactions in Highly Doped Graphene: AÂNear-Field Imaging Study. Nano Letters, 2017, 17, 5908-5913.	4.5	42
87	Anisotropic infrared response of vanadium dioxide microcrystals. Physical Review B, 2013, 87, .	1.1	41
88	Continuous Wave Sum Frequency Generation and Imaging of Monolayer and Heterobilayer Two-Dimensional Semiconductors. ACS Nano, 2020, 14, 708-714.	7.3	41
89	Ultraconfined Plasmonic Hotspots Inside Graphene Nanobubbles. Nano Letters, 2016, 16, 7842-7848.	4.5	40
90	MoirÃ© engineering of electronic phenomena in correlated oxides. Nature Physics, 2020, 16, 631-635.	6.5	40

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91	Shining Light on Transition-Metal Oxides: Unveiling the Hidden Fermi Liquid. Physical Review Letters, 2014, 113, 246404.	2.9	39
92	Long-Lived Phonon Polaritons in Hyperbolic Materials. Nano Letters, 2021, 21, 5767-5773.	4.5	38
93	Collective modes and terahertz near-field response of superconductors. Physical Review Research, 2020, 2, .	1.3	38
94	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
95	Symmetry breaking and geometric confinement in VO2: Results from a three-dimensional infrared nano-imaging. Applied Physics Letters, 2014, 104, 121905.	1.5	36
96	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></mml:mrow	2.9	36
97	Physical Review Letters, 2016, 116, 036401. Nano-photocurrent Mapping of Local Electronic Structure in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 2958-2964.	4.5	34
98	Hyperbolic enhancement of photocurrent patterns in minimally twisted bilayer graphene. Nature Communications, 2021, 12, 1641.	5.8	34
99	Nanoscale lattice dynamics in hexagonal boron nitride moirÃ© superlattices. Nature Communications, 2021, 12, 5741.	5.8	34
100	Hamiltonian Optics of Hyperbolic Polaritons in Nanogranules. Nano Letters, 2015, 15, 4455-4460.	4.5	32
101	Infrared nanospectroscopy and imaging of collective superfluid excitations in anisotropic superconductors. Physical Review B, 2014, 90, .	1.1	31
102	Tunable Plasmonic Reflection by Bound 1D Electron States in a 2D Dirac Metal. Physical Review Letters, 2016, 117, 086801.	2.9	31
103	Femtosecond exciton dynamics in WSe2 optical waveguides. Nature Communications, 2020, 11, 3567.	5.8	31
104	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>. Physical Review B, 2011, 84, .	1.1	30
105	Artifact free time resolved near-field spectroscopy. Optics Express, 2017, 25, 28589.	1.7	30
106	Surface plasmons induce topological transition in graphene/Î±-MoO3 heterostructures. Nature Communications, 2022, 13, .	5.8	30
107	Do organic and other exotic superconductors fail universal scaling relations?. Scientific Reports, 2013, 3, .	1.6	29
108	Tuning and Persistent Switching of Graphene Plasmons on a Ferroelectric Substrate. Nano Letters, 2015, 15, 4859-4864.	4.5	29

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109	Internal Nanostructure Diagnosis with Hyperbolic Phonon Polaritons in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 5205-5210.	4.5	29
110	Terahertz response of monolayer and few-layer WTe2 at the nanoscale. Nature Communications, 2021, 12, 5594.	5.8	29
111	Optical probe of strong correlations in LaNiO3 thin films. Journal of Applied Physics, 2011, 110, .	1.1	28
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> by Small External Magnetic Fields. Physical Review Letters, 2014, 113, 227001.	2.9	28
113	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
114	Adiabatic Amplification of Plasmons and Demons in 2D Systems. Physical Review Letters, 2016, 117, 076805.	2.9	26
115	Superluminal plasmons with resonant gain in population inverted bilayer graphene. Physical Review B, 2018, 98, .	1.1	26
116	Infrared probe of the insulator-to-metal transition in<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
117	Nanometer-Scale Lateral pâ€“n Junctions in Graphene/Î±-RuCl₃ Heterostructures. Nano Letters, 2022, 22, 1946-1953.	4.5	25
118	Electronic excitations and metal-insulator transition in poly(3-hexylthiophene) organic field-effect transistors. Physical Review B, 2007, 75, .	1.1	24
119	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:	1.1	24
120	Internal strain tunes electronic correlations on the nanoscale. Science Advances, 2018, 4, eaau9123.	4.7	24
121	Broadband multi-interferometer spectroscopy in high magnetic fields: From THz to visible. Review of Scientific Instruments, 2004, 75, 4710-4717.	0.6	23
122	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
123	Nano-spectroscopy of excitons in atomically thin transition metal dichalcogenides. Nature Communications, 2022, 13, 542.	5.8	23
124	Interplane charge dynamics in a valence-bond dynamical mean-field theory of cuprate superconductors. Physical Review B, 2010, 82, .	1.1	22
125	Gap states in insulating LaMnPO1â^’xFx(x=0â€“0.3). Physical Review B, 2011, 84, .	1.1	22
126	Sum-Rule Constraints on the Surface State Conductance of Topological Insulators. Physical Review Letters, 2015, 115, 116804.	2.9	22

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127	Hybrid Machine Learning for Scanning Near-Field Optical Spectroscopy. ACS Photonics, 2021, 8, 2987-2996.	3.2	22
128	Visualizing Atomically Layered Magnetism in CrSBr. Advanced Materials, 2022, 34, e2201000.	11.1	22
129	Quasiparticle dynamics and in-plane anisotropy inYBa2Cu3Oynear the onset of superconductivity. Physical Review B, 2004, 70, .	1.1	21
130	Infrared pseudogap in cuprate and pnictide high-temperature superconductors. Physical Review B, 2014, 90, .	1.1	21
131	Infrared electrodynamics and ferromagnetism in the topological semiconductorsBi2Te3and Mn-dopedBi2Te3. Physical Review B, 2014, 89, .	1.1	21
132	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
133	Infrared survey of the carrier dynamics in III-V digital ferromagnetic heterostructures. Physical Review B, 2005, 71, .	1.1	20
134	Induction of charge density waves by spin density waves in iron-based superconductors. Physical Review B, 2010, 82, .	1.1	20
135	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
136	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>Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>As. Physical Review B, 2013, 87, .	1.1	18
137	Origin of the charge gap in LaMnPO. Physical Review B, 2014, 90, .	1.1	18
138	Interpreting quantum oscillation experiments on underdopedYBa2Cu3O6+x. Physical Review B, 2010, 81, .	1.1	17
139	Ultrahigh-Resolution, Label-Free Hyperlens Imaging in the Mid-IR. Nano Letters, 2021, 21, 7921-7928.	4.5	17
140	Interlayer electrodynamics and unconventional vortex state inYBa2Cu3Oy. Physical Review B, 2007, 76, .	1.1	16
141	Breakdown of the universal Josephson relation in spin-ordered cuprate superconductors. Physical Review B, 2010, 82, .	1.1	16
142	Heterostructuring and strain effects on the infrared optical properties of nickelates. Physical Review B, 2012, 86, .	1.1	16
143	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 /><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:msub><mml:mro	1.1	16
144	Third-order optical conductivity of an electron fluid. Physical Review B, 2018, 97, .	1.1	16

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145	Ultrafast nonlocal collective dynamics of Kane plasmon-polaritons in a narrow-gap semiconductor. Science Advances, 2019, 5, eaau9956.	4.7	16
146	Quantitative Nanoinfrared Spectroscopy of Anisotropic van der Waals Materials. Nano Letters, 2020, 20, 7933-7940.	4.5	16
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