Richard Averitt

List of Publications by Year in Descending Order

211 papers	18,275 citations	58 h-index	134 g-index
269 ext. papers	21,180 ext. citations	6.5 avg, IF	6.49 L-index

#	Paper	IF	Citations
211	Imaging with metamaterials. *Nature Reviews Physics*, **2022**, 4, 85-100	23.6	10
210	Interlayer magnetophononic coupling in MnBiTe.. *Nature Communications*, **2022**, 13, 1929	17.4	4
209	Tunable Toroidal Response in a Reconfigurable Terahertz Metamaterial (Advanced Optical Materials 22/2021). *Advanced Optical Materials*, **2021**, 9, 2170091	8.1	
208	Nanotextured Dynamics of a Light-Induced Phase Transition in VO. *Nano Letters*, **2021**, 21, 9052-9060	11.5	3
207	Hyperbolic Cooper-Pair Polaritons in Planar Graphene/Cuprate Plasmonic Cavities. *Nano Letters*, **2021**, 21, 308-316	11.5	8
206	Programmable hyperbolic polaritons in van der Waals semiconductors. *Science*, **2021**, 371, 617-620	33.3	19
205	Structural tuning of nonlinear terahertz metamaterials using broadside coupled split ring resonators. *AIP Advances*, **2021**, 11, 095103	1.5	2
204	Ultrathin Terahertz Triple-Band Metamaterial Absorbers: Consideration of Interlayer Coupling. *Physical Review Applied*, **2020**, 14,	4.3	4
203	Broadband electrically tunable VO2-Metamaterial terahertz switch with suppressed reflection. *Microwave and Optical Technology Letters*, **2020**, 62, 2782-2790	1.2	4
202	On-chip terahertz modulation and emission with integrated graphene junctions. *Applied Physics Letters*, **2020**, 116, 161104	3.4	5
201	Terahertz investigation of bound states in the continuum of metallic metasurfaces. *Optica*, **2020**, 7, 1548	8.6	38
200	Multi-messenger nanoprobes of hidden magnetism in a strained manganite. *Nature Materials*, **2020**, 19, 397-404	27	33
199	Femtosecond exciton dynamics in WSe optical waveguides. *Nature Communications*, **2020**, 11, 3567	17.4	13
198	Influence of spin and orbital fluctuations on Mott-Hubbard exciton dynamics in LaVO3 thin films. *Physical Review B*, **2020**, 102,	3.3	5
197	Magnetoelastic coupling to coherent acoustic phonon modes in the ferrimagnetic insulator GdTiO3. *Physical Review B*, **2020**, 102,	3.3	3
196	Nucleation and Growth Bottleneck in the Conductivity Recovery Dynamics of Nickelate Ultrathin Films. *Nano Letters*, **2020**, 20, 7422-7428	11.5	2
195	Ultrafast Enhancement of Ferromagnetic Spin Exchange Induced by Ligand-to-Metal Charge Transfer. *Physical Review Letters*, **2020**, 125, 197203	7.4	5

194	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. *ACS Photonics*, **2019**, 6, 830-837	6.3	92
193	Real-time tunable phase response and group delay in broadside coupled split-ring resonators. *Physical Review B*, **2019**, 99,	3.3	11
192	Ultrafast quasiparticle dynamics in the correlated semimetal Ca3Ru2O7. *Physical Review B*, **2019**, 99,	3.3	2
191	Strong Metasurface□Josephson Plasma Resonance Coupling in Superconducting La2□SrxCuO4. *Advanced Optical Materials*, **2019**, 7, 1900712	8.1	5
190	Optically Tunable All-Dielectric Broadband Terahertz Metamaterial Perfect Absorber **2019**,		1
189	Photoenhanced metastable c-axis electrodynamics in stripe-ordered cuprate LaBaCuO. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 19875-19879	11.5	24
188	Dynamics of a Persistent Insulator-to-Metal Transition in Strained Manganite Films. *Physical Review Letters*, **2019**, 123, 267201	7.4	8
187	A survey of theoretical models for terahertz electromagnetic metamaterial absorbers. *Sensors and Actuators A: Physical*, **2019**, 287, 21-28	3.9	29
186	Ultrafast terahertz spectroscopy study of a Kondo insulating thin-film SmB6: Evidence for an emergent surface state. *Physical Review B*, **2018**, 97,	3.3	4
185	Phototunable Dielectric Huygens□Metasurfaces. *Advanced Materials*, **2018**, 30, e1800278	24	69
184	Identifying the perfect absorption of metamaterial absorbers. *Physical Review B*, **2018**, 97,	3.3	41
183	Electromechanically tunable metasurface transmission waveplate at terahertz frequencies. *Optica*, **2018**, 5, 303	8.6	94
182	Analysis of the thickness dependence of metamaterial absorbers at terahertz frequencies. *Optics Express*, **2018**, 26, 2242-2251	3.3	34
181	An air-spaced terahertz metamaterial perfect absorber. *Sensors and Actuators A: Physical*, **2018**, 280, 303-308	3.9	14
180	Terahertz metamaterial perfect absorber with continuously tunable air spacer layer. *Applied Physics Letters*, **2018**, 113, 061113	3.4	31
179	Ultrafast terahertz field control of electronic and structural interactions in vanadium dioxide. *Physical Review B*, **2018**, 98,	3.3	34
178	Properties of dynamical electromagnetic metamaterials. *Journal of Optics (United Kingdom)*, **2017**, 19, 084003	1.7	6
177	Towards properties on demand in quantum materials. *Nature Materials*, **2017**, 16, 1077-1088	27	308

176	Ultrafast electron-lattice coupling dynamics in VO2 and V2O3 thin films. *Physical Review B*, **2017**, 96,	3.3	21
175	An air-spacer terahertz metamaterial perfect absorber for sensing and detection applications **2017**,		2
174	A three-dimensional all-metal terahertz metamaterial perfect absorber. *Applied Physics Letters*, **2017**, 111, 051101	3.4	53
173	Artifact free time resolved near-field spectroscopy. *Optics Express*, **2017**, 25, 28589	3.3	22
172	Nonlinear terahertz metamaterial perfect absorbers using GaAs [Invited]. *Photonics Research*, **2016**, 4, A16	6	55
171	Nonlinear terahertz devices utilizing semiconducting plasmonic metamaterials. *Light: Science and Applications*, **2016**, 5, e16078	16.7	46
170	Terahertz saturable absorption in superconducting metamaterials. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, 2649	1.7	15
169	Cooperative photoinduced metastable phase control in strained manganite films. *Nature Materials*, **2016**, 15, 956-60	27	86
168	Voltage-tunable dual-layer terahertz metamaterials. *Microsystems and Nanoengineering*, **2016**, 2, 16025	7.7	62
167	Spin-dependent polaron formation dynamics in Eu0.75Y0.25MnO3 probed by femtosecond pump-probe spectroscopy. *Physical Review B*, **2015**, 91,	3.3	13
166	Optically tunable metamaterial perfect absorber on highly flexible substrate. *Sensors and Actuators A: Physical*, **2015**, 231, 74-80	3.9	50
165	Visualization of guided and leaky wave behaviors in an indium tin oxide metallic slab waveguide. *Optics Express*, **2015**, 23, 14876-96	3.3	1
164	A review of non-linear terahertz spectroscopy with ultrashort tabletop-laser pulses. *Journal of Modern Optics*, **2015**, 62, 1447-1479	1.1	79
163	Phase transition in bulk single crystals and thin films of VO2 by nanoscale infrared spectroscopy and imaging. *Physical Review B*, **2015**, 91,	3.3	73
162	Dynamic conductivity scaling in photoexcited V2O3 thin films. *Physical Review B*, **2015**, 92,	3.3	31
161	Infrared Pump-Probe Spectroscopy of Plasmons in Graphene and Semiconductors. *Microscopy and Microanalysis*, **2015**, 21, 1415-1416	0.5	0
160	Terahertz radiation-induced sub-cycle field electron emission across a split-gap dipole antenna. *Applied Physics Letters*, **2015**, 107, 231101	3.4	17
159	Optically Modulated Multiband Terahertz Perfect Absorber. *Advanced Optical Materials*, **2014**, 2, 1221-1226	8.6	76

158	Ultrafast dynamics of surface plasmons in InAs by time-resolved infrared nanospectroscopy. *Nano Letters*, **2014**, 14, 4529-34	11.5	72
157	Structural control of metamaterial oscillator strength and electric field enhancement at terahertz frequencies. *Applied Physics Letters*, **2014**, 105, 081112	3.4	18
156	Symmetry breaking and geometric confinement in VO2: Results from a three-dimensional infrared nano-imaging. *Applied Physics Letters*, **2014**, 104, 121905	3.4	31
155	Voltage switching of a VO2 memory metasurface using ionic gel. *Applied Physics Letters*, **2014**, 105, 041117	3.4	48
154	Towards Dynamic, Tunable, and Nonlinear Metamaterials via Near Field Interactions: A Review. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2013**, 34, 709-723	2.2	22
153	Anisotropic electronic state via spontaneous phase separation in strained vanadium dioxide films. *Physical Review Letters*, **2013**, 111, 096602	7.4	110
152	Optically Tunable Terahertz Metamaterials on Highly Flexible Substrates. *IEEE Transactions on Terahertz Science and Technology*, **2013**, 3, 702-708	3.4	53
151	Three-dimensional broadband tunable terahertz metamaterials. *Physical Review B*, **2013**, 87,	3.3	80
150	Nonlinear terahertz metamaterials via field-enhanced carrier dynamics in GaAs. *Physical Review Letters*, **2013**, 110, 217404	7.4	82
149	Decoupling crossover in asymmetric broadside coupled split-ring resonators at terahertz frequencies. *Physical Review B*, **2013**, 88,	3.3	12
148	Flexible and tunable metamaterials at terahertz frequencies **2013**,		1
147	Silk-based conformal, adhesive, edible food sensors. *Advanced Materials*, **2012**, 24, 1067-72	24	266
146	Flexible metamaterial absorbers for stealth applications at terahertz frequencies. *Optics Express*, **2012**, 20, 635-43	3.3	225
145	Single-layer terahertz metamaterials with bulk optical constants. *Physical Review B*, **2012**, 85,	3.3	18
144	THz spectroscopy of VO2epitaxial films: controlling the anisotropic properties through strain engineering. *New Journal of Physics*, **2012**, 14, 083026	2.9	40
143	Terahertz polarimetry based on metamaterial devices **2012**,		1
142	Terahertz-field-induced insulator-to-metal transition in vanadium dioxide metamaterial. *Nature*, **2012**, 487, 345-8	50.4	759
141	Three-dimensional magnetic terahertz metamaterials using a multilayer electroplating technique. *Journal of Micromechanics and Microengineering*, **2012**, 22, 045011	2	3

140	Time-resolved imaging of near-fields in THz antennas and direct quantitative measurement of field enhancements. *Optics Express*, **2012**, 20, 8551-67	3.3	43
139	THz near-field Faraday imaging in hybrid metamaterials. *Optics Express*, **2012**, 20, 11277-87	3.3	42
138	Frequency tunable terahertz metamaterials using broadside coupled split-ring resonators. *Physical Review B*, **2011**, 83,	3.3	65
137	Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region **2011**,		2
136	High speed terahertz modulation from metamaterials with embedded high electron mobility transistors. *Optics Express*, **2011**, 19, 9968-75	3.3	150
135	Stand-up magnetic metamaterials at terahertz frequencies. *Optics Express*, **2011**, 19, 12619-27	3.3	65
134	Microwave and terahertz wave sensing with metamaterials. *Optics Express*, **2011**, 19, 21620-6	3.3	107
133	Extremely Thin Metamaterial as Slab Waveguide at Terahertz Frequencies. *IEEE Transactions on Terahertz Science and Technology*, **2011**, 1, 441-449	3.4	17
132	Electrodynamics of correlated electron materials. *Reviews of Modern Physics*, **2011**, 83, 471-541	40.5	501
131	Recent Progress in Electromagnetic Metamaterial Devices for Terahertz Applications. *IEEE Journal of Selected Topics in Quantum Electronics*, **2011**, 17, 92-101	3.8	113
130	MEMS Based Structurally Tunable Metamaterials at Terahertz Frequencies. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2011**, 32, 580-595	2.2	65
129	Rapid transfer-based micropatterning and dry etching of silk microstructures. *Advanced Materials*, **2011**, 23, 2015-9	24	42
128	Metamaterials on paper as a sensing platform. *Advanced Materials*, **2011**, 23, 3197-201	24	178
127	Orientation dependent far-infrared terahertz absorptions in single crystal pentaerythritol tetranitrate (PETN) using terahertz time-domain spectroscopy. *Journal of Physical Chemistry A*, **2011**, 115, 439-42	2.8	11
126	ELECTROMAGNETIC COMPOSITE-BASED REFLECTING TERAHERTZ WAVEPLATES. *International Journal of High Speed Electronics and Systems*, **2011**, 20, 583-588	0.5	3
125	Photoinduced phase transitions by time-resolved far-infrared spectroscopy in V2O3. *Physical Review Letters*, **2011**, 107, 066403	7.4	39
124	Time-resolved quasiparticle dynamics of the itinerant antiferromagnet UPtGa5. *Physical Review B*, **2011**, 84,	3.3	8
123	Evidence of a hidden-order pseudogap state in URu2Si2 using ultrafast optical spectroscopy. *Physical Review B*, **2011**, 84,	3.3	29

122	The Optical Properties of Metals **2011**, 79-108		
121	Gold nanoparticle-doped biocompatible silk films as a path to implantable thermo-electrically wireless powering devices. *Applied Physics Letters*, **2010**, 97, 123702	3.4	21
120	Metamaterials on parylene thin film substrates: Design, fabrication, and characterization at terahertz frequency. *Applied Physics Letters*, **2010**, 96, 011906	3.4	58
119	Performance enhancement of terahertz metamaterials on ultrathin substrates for sensing applications. *Applied Physics Letters*, **2010**, 97, 261909	3.4	119
118	A dual band terahertz metamaterial absorber. *Journal Physics D: Applied Physics*, **2010**, 43, 225102	3	353
117	External modulators for TeraHertz Quantum Cascade Lasers based on electrically-driven active metamaterials. *Metamaterials*, **2010**, 4, 83-88		13
116	Metamaterial silk composites at terahertz frequencies. *Advanced Materials*, **2010**, 22, 3527-31	24	89
115	3D Stand-up Metamaterials With A Purely Magnetic Resonance At Terahertz Frequencies **2010**,		1
114	Effect of nonuniform continuum density of states on a Fano resonance in semiconductor quantum wells. *Physical Review B*, **2009**, 80,	3.3	1
113	Large-area metamaterials on thin membranes for multilayer and curved applications at terahertz and higher frequencies. *Applied Physics Letters*, **2009**, 94, 161113	3.4	37
112	Morphology effectively controls singlet-triplet exciton relaxation and charge transport in organic semiconductors. *Physical Review Letters*, **2009**, 102, 017401	7.4	193
111	Polarization orientation dependence of the far infrared spectra of oriented single crystals of 1,3,5-trinitro-S-triazine (RDX) using terahertz time-domain spectroscopy. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 315-22	4.4	14
110	A metamaterial solid-state terahertz phase modulator. *Nature Photonics*, **2009**, 3, 148-151	33.9	679
109	Photoexcited carrier relaxation dynamics in pentacene probed by ultrafast optical spectroscopy: Influence of morphology on relaxation processes. *Physica B: Condensed Matter*, **2009**, 404, 3127-3130	2.8	18
108	Comparison of birefringent electric split-ring resonator and meanderline structures as quarter-wave plates at terahertz frequencies. *Optics Express*, **2009**, 17, 136-49	3.3	138
107	Terahertz metamaterials **2009**,		1
106	Reconfigurable terahertz metamaterials. *Physical Review Letters*, **2009**, 103, 147401	7.4	354
105	Dynamic investigations of multiferroics: Terahertz and beyond. *Journal of Physics: Conference Series* , **2009**, 148, 012037	0.3	

104	Dynamic Metamaterials at Terahertz Frequencies. *Springer Series in Chemical Physics*, **2009**, 645-647	0.3	
103	Experimental demonstration of frequency-agile terahertz metamaterials. *Nature Photonics*, **2008**, 2, 295-298	33.9	620
102	Detection of coherent magnons via ultrafast pump-probe reflectance spectroscopy in multiferroic Ba0.6Sr1.4Zn2Fe12O22. *Physical Review Letters*, **2008**, 101, 097603	7.4	25
101	Ultrafast carrier dynamics in an InAs/InGaAs quantum dots-in-a-well heterostructure. *Optics Express*, **2008**, 16, 1165-73	3.3	16
100	A metamaterial absorber for the terahertz regime: design, fabrication and characterization. *Optics Express*, **2008**, 16, 7181-8	3.3	991
99	Electronic control of extraordinary terahertz transmission through subwavelength metal hole arrays. *Optics Express*, **2008**, 16, 7641-8	3.3	97
98	Planar wallpaper group metamaterials for novel terahertz applications. *Optics Express*, **2008**, 16, 18565-75	3.3	108
97	Magnetic exchange interaction between rare-earth and Mn ions in multiferroic hexagonal manganites. *Physical Review Letters*, **2008**, 101, 247601	7.4	32
96	Hybrid metamaterials enable fast electrical modulation of freely propagating terahertz waves. *Applied Physics Letters*, **2008**, 93, 091117	3.4	105
95	Terahertz Metamaterials on Thin Silicon Nitride Membranes. *Materials Research Society Symposia Proceedings*, **2008**, 1077, 71801		2
94	Tailoring the Spectra of Terahertz Emission from CdTe and ZnTe Electro-Optic Crystals. *Japanese Journal of Applied Physics*, **2008**, 47, 202-204	1.4	4
93	Highly flexible wide angle of incidence terahertz metamaterial absorber: Design, fabrication, and characterization. *Physical Review B*, **2008**, 78,	3.3	620
92	Optically induced lattice dynamics probed with ultrafast x-ray diffraction. *Physical Review B*, **2008**, 77,	3.3	11
91	Three envelope approach for ultrafast pulse characterization in a pump-probe experiment. *Applied Physics Letters*, **2008**, 92, 061111	3.4	1
90	Carrier dynamics in InGaAs with embedded ErAs nanoislands. *Applied Physics Letters*, **2008**, 93, 121108	3.4	29
89	Coupling between an optical phonon and the Kondo effect. *Physical Review Letters*, **2008**, 100, 026409	7.4	24
88	Terahertz metamaterials on free-standing highly-flexible polyimide substrates. *Journal Physics D: Applied Physics*, **2008**, 41, 232004	3	118
87	Active Terahertz Metamaterial Devices **2008**,		1

86	Probing nanoscale inhomogeneities in transition metal oxides with ultrafast mid-infrared spectroscopy. *Physica B: Condensed Matter*, **2008**, 403, 1401-1403	2.8	
85	Flexible terahertz metamaterials: towards a terahertz metamaterial invisible cloak **2008**,		5
84	Electrically resonant terahertz metamaterials: Theoretical and experimental investigations. *Physical Review B*, **2007**, 75,	3.3	264
83	Growth of thin Fe(001) films for terahertz emission experiments. *Applied Surface Science*, **2007**, 253, 6998-7003	2.7	7
82	Terahertz metamaterials for active, tunable, and dynamic devices **2007**,		1
81	Observation of competing order in a high-Tc superconductor using femtosecond optical pulses. *Physical Review Letters*, **2007**, 99, 147008	7.4	44
80	Enhanced photosusceptibility near Tc for the light-induced insulator-to-metal phase transition in vanadium dioxide. *Physical Review Letters*, **2007**, 99, 226401	7.4	173
79	Phase inhomogeneities in the charge-orbital-ordered manganite Nd0.5Sr0.5MnO3 revealed through polaron dynamics. *Physical Review B*, **2007**, 76,	3.3	16
78	Terahertz metamaterial devices **2007**,		3
77	Ultrafast optical switching of terahertz metamaterials fabricated on ErAs/GaAs nanoisland superlattices. *Optics Letters*, **2007**, 32, 1620-2	3	210
76	Complementary planar terahertz metamaterials. *Optics Express*, **2007**, 15, 1084-95	3.3	247
75	Properties of Planar Electric Metamaterials for Novel TeraHertz Applications. *Journal of Nanoelectronics and Optoelectronics*, **2007**, 2, 90-95	1.3	24
74	Split-Ring Resonator Enhanced Terahertz Antenna **2007**,		1
73	Dynamical Electric Metamaterial Response at Terahertz Frequencies. *Springer Series in Chemical Physics*, **2007**, 642-644	0.3	3
72	Dynamic coupling-decoupling crossover in the current-driven vortex state in Tl2Ba2CaCu2O8 probed by the Josephson plasma resonance. *Physical Review Letters*, **2006**, 97, 237001	7.4	6
71	Enhanced terahertz detection via ErAs:GaAs nanoisland superlattices **2006**,		1
70	Quasiparticle relaxation across the spin-density-wave gap in the itinerant antiferromagnet UNiGa5. *Physical Review B*, **2006**, 74,	3.3	28
69	Enhanced terahertz detection via ErAs:GaAs nanoisland superlattices. *Applied Physics Letters*, **2006**, 88, 251119	3.4	74

68	Dynamical Metamaterials at Terahertz Frequencies **2006**,		1
67	Fe(001) thin films for x-ray diffraction and terahertz emission studies. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2006**, 24, 1509-1513	2.9	
66	Single-shot, interferometric, high-resolution, terahertz field diagnostic. *Applied Physics Letters*, **2006**, 88, 041123	3.4	33
65	Unambiguous chirp characterization using modified-spectrum auto-interferometric correlation and pulse spectrum. *Optics Express*, **2006**, 14, 8890-9	3.3	7
64	On Photo-Induced Phenomena in Complex Materials: Probing Quasiparticle Dynamics using Infrared and Far-Infrared Pulses. *Journal of the Physical Society of Japan*, **2006**, 75, 011006	1.5	30
63	Active terahertz metamaterial devices. *Nature*, **2006**, 444, 597-600	50.4	1584
62	Dynamical electric and magnetic metamaterial response at terahertz frequencies. *Physical Review Letters*, **2006**, 96, 107401	7.4	616
61	Carrier dynamics in self-assembled ErAs nanoislands embedded in GaAs measured by optical-pump terahertz-probe spectroscopy. *Applied Physics Letters*, **2005**, 86, 201107	3.4	46
60	Prism coupling to terahertz surface plasmon polaritons. *Optics Express*, **2005**, 13, 6117-26	3.3	48
59	Spectral interferometric coherent Raman imaging. *Optics Express*, **2005**, 13, 7672-82	3.3	10
58	The effect of interfacial roughness on the normal incidence bandgap of one-dimensional photonic crystals. *Optics Express*, **2005**, 13, 8380-9	3.3	9
57	Application of the homogenization approximation to rough one-dimensional photonic crystals. *Optics Letters*, **2005**, 30, 2930-2	3	2
56	Coherent optical and acoustic phonon generation correlated with the charge-ordering phase transition in La1⊠CaxMnO3. *Physical Review B*, **2005**, 71,	3.3	36
55	Temperature-dependent far-infrared spectra of single crystals of high explosives using terahertz time-domain spectroscopy. *Journal of Physical Chemistry A*, **2005**, 109, 3501-5	2.8	71
54	Exciton dynamics in pentacene and tetracene studied using optical pump-probe spectroscopy. *Springer Series in Chemical Physics*, **2005**, 269-271	0.3	1
53	Coupled charge-spin dynamics of the magnetoresistive pyrochlore TI2Mn2O7 probed using ultrafast midinfrared spectroscopy. *Physical Review Letters*, **2005**, 95, 267404	7.4	8
52	Ultrafast dynamics of the Itinerant Antiferromagnet UNiGa5. *Materials Research Society Symposia Proceedings*, **2005**, 893, 1		
51	Cooper pair breaking dynamics in MgB2 using optieal-pump terahertz-probe spectroscopy. *Springer Series in Chemical Physics*, **2005**, 726-728	0.3	

50	Ultrafast Mid-Infrared Dynamics in the Colossal Magnetoresistance Pyrochlore Tl2Mn2O7. *Springer Series in Chemical Physics*, **2005**, 313-315	0.3	
49	Dynamic coupling-decoupling crossover in the current-driven vortex-state in Tl2Ba2CaCu2O8 studied using terahertz time-domain spectroscopy. *Springer Series in Chemical Physics*, **2005**, 325-327	0.3	
48	Boron-enhanced blistering and exfoliation in hydrogen-implanted SrTiO3. *Journal of Applied Physics* , **2004**, 96, 7045-7051	2.5	5
47	Incorporation of fluorine in hydrogenated silicon carbide films deposited by pulsed glow discharge. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 1223-1228	2.9	5
46	Ultrafast quasiparticle relaxation dynamics in normal metals and heavy-fermion materials. *Physical Review B*, **2004**, 69,	3.3	32
45	Role of intericosahedral chains on the hardness of sputtered boron carbide films. *Applied Physics Letters*, **2004**, 84, 4173-4175	3.4	14
44	Amorphous silicon nitride films of different composition deposited at room temperature by pulsed glow discharge plasma immersion ion implantation and deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 2342-2346	2.9	19
43	Nonequilibrium Superconductivity Probed by Time-Resolved Far-Infrared Conductivity Dynamics: Comparison Between MgB2 and YBa2Cu3O7. *Journal of Superconductivity and Novel Magnetism*, **2004**, 17, 143-149		6
42	Ultrafast conductivity dynamics in pentacene probed using terahertz spectroscopy. *Applied Physics Letters*, **2004**, 84, 891-893	3.4	45
41	Terahertz surface plasmon polariton coupling on metallic gratings. *Optics Express*, **2004**, 12, 6397-402	3.3	55
40	THz transmission spectroscopy and imaging: application to the energetic materials PBX 9501 and PBX 9502. *Applied Spectroscopy*, **2004**, 58, 428-31	3.1	20
39	Terahertz emission via ultrashort-pulse excitation of magnetic metal films. *Optics Letters*, **2004**, 29, 1805-7	3.7	92
38	Photoinduced Conductivity Dynamics Studies of MgB2 Thin Films. *International Journal of Modern Physics B*, **2003**, 17, 3675-3681	1.1	8
37	Quasiparticle relaxation dynamics in heavy fermion compounds. *Physical Review Letters*, **2003**, 91, 027401	7.4	57
36	Pair-breaking and superconducting state recovery dynamics in MgB2. *Physical Review Letters*, **2003**, 91, 267002	7.4	104
35	Terahertz waveform synthesis via optical rectification of shaped ultrafast laser pulses. *Optics Express*, **2003**, 11, 2486-96	3.3	96
34	The role of trapped Ar atoms in the mechanical properties of boron carbide films deposited by dc-magnetron sputtering. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2003**, 21, 1639-1643	2.9	17
33	Role of boron for defect evolution in hydrogen-implanted silicon. *Applied Physics Letters*, **2003**, 83, 3042-3044	3.4	12

32	Coherent acoustic phonons in hexagonal manganite LuMnO3. *Applied Physics Letters*, **2003**, 83, 4800-4802	3.4	42
31	Comment on "Photoinduced changes of reflectivity in single crystals of YBa2Cu3O6.5 (Ortho II)". *Physical Review Letters*, **2003**, 91, 169701; author reply 169702	7.4	9
30	Carrier Relaxation Dynamics in Heavy Fermion Compounds. *Springer Series in Chemical Physics*, **2003**, 319-321	0.3	
29	Far-Infrared Carrier Dynamics in Superconducting MgB2. *Springer Series in Chemical Physics*, **2003**, 389-391	0.3	
28	Josephson plasma resonance in Tl2Ba2CaCu2O8 in a magnetic field measured using THz spectroscopy. *Physica B: Condensed Matter*, **2002**, 312-313, 84-85	2.8	2
27	Evidence for linelike vortex liquid phase in Tl2Ba2CaCu2O8 probed by the Josephson plasma resonance. *Physical Review B*, **2002**, 66,	3.3	12
26	Ultrafast optical and far-infrared quasiparticle dynamics in correlated electron materials. *Journal of Physics Condensed Matter*, **2002**, 14, R1357-R1390	1.8	161
25	Ultrafast carrier-relaxation dynamics in self-assembled InAs/GaAs quantum dots. *Journal of the Optical Society of America B: Optical Physics*, **2002**, 19, 1480	1.7	45
24	Ultrafast conductivity dynamics in colossal magnetoresistance manganites. *Physical Review Letters*, **2001**, 87, 017401	7.4	121
23	Picosecond dynamics of the spin-lattice relaxation in La0.7Ca0.2MnO3: Magnetic-field dependence. *Physical Review B*, **2001**, 63,	3.3	26
22	Nonequilibrium superconductivity and quasiparticle dynamics in YBa2Cu3O7 *Physical Review B*, **2001**, 63,	3.3	90
21	C-axis Josephson plasma resonance observed in Tl(2)Ba(2)CaCu(2)O(8) superconducting thin films by use of terahertz time-domain spectroscopy. *Optics Letters*, **2001**, 26, 1292-4	3	31
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