Xinlong Xu

List of Publications by Year
in descending order

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173 papers	6,690 citations	81900 39 h-index	74163 75 g-index
174 all docs	174 docs citations	174 times ranked	8469 citing authors

#	Article	IF	Citations
1	Magnetic control of valley pseudospin in monolayer WSe2. Nature Physics, 2015, 11, 148-152.	16.7	720
2	Valley-polarized exciton dynamics in a 2D semiconductor heterostructure. Science, 2016, 351, 688-691.	12.6	606
3	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	384
4	Flexible Visibleâ€“Infrared Metamaterials and Their Applications in Highly Sensitive Chemical and Biological Sensing. Nano Letters, 2011, 11, 3232-3238.	9.1	215
5	Magnetooptics of Exciton Rydberg States in a Monolayer Semiconductor. Physical Review Letters, 2018, 120, 057405.	7.8	195
6	Imaging excitonâ€“polariton transport in MoSe2 waveguides. Nature Photonics, 2017, 11, 356-360.	31.4	182
7	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	176
8	Dynamics of Bound Exciton Complexes in CdS Nanobelts. ACS Nano, 2011, 5, 3660-3669.	14.6	132
9	Alkanethiol-functionalized terahertz metamaterial as label-free, highly-sensitive and specificbiosensor. Biosensors and Bioelectronics, 2013, 42, 626-631.	10.1	128
10	Nonlinear optical properties of halide perovskites and their applications. Applied Physics Reviews, 2020, 7, .	11.3	114
11	Searching for magnetism in pyrrolic N-doped graphene synthesized via hydrothermal reaction. Carbon, 2015, 84, 460-468.	10.3	112
12	Design of a polarization insensitive multiband terahertz metamaterial absorber. Journal Physics D: Applied Physics, 2013, 46, 195103.	2.8	111
13	Elastic, electronic, and dielectric properties of bulk and monolayer ZrS₂, ZrSe₂, HfS₂, HfSe₂ from van der Waals densityâ€functional theory. Physica Status Solidi (B): Basic Research, 2017, 254, 1700033.	1.5	110
14	Tunable circular polarization conversion and asymmetric transmission of planar chiral graphene-metamaterial in terahertz region. Carbon, 2017, 119, 305-313.	10.3	107
15	Vertically Aligned Cadmium Chalcogenide Nanowire Arrays on Muscovite Mica: A Demonstration of Epitaxial Growth Strategy. Nano Letters, 2011, 11, 3051-3057.	9.1	94
16	Surface Optical Rectification from Layered MoS₂ Crystal by THz Time-Domain Surface Emission Spectroscopy. ACS Applied Materials & Interfaces, 2017, 9, 4956-4965.	8.0	84
17	Nano-optical imaging of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>WS</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>waveguide modes revealing light-exciton interactions. Physical Review B, 2016, 94, .	3.2	82
18	Synthesis and optical properties of IIâ€“VI 1D nanostructures. Nanoscale, 2012, 4, 1422.	5.6	74

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19	Hydrogen Kinetics on Scalable Graphene Growth by Atmospheric Pressure Chemical Vapor Deposition with Acetylene. Journal of Physical Chemistry C, 2013, 117, 14348-14353.	3.1	72
20	Enhanced Nonlinear Saturable Absorption of MoS₂/Graphene Nanocomposite Films. Journal of Physical Chemistry C, 2017, 121, 27147-27153.	3.1	72
21	Band alignments and heterostructures of monolayer transition metal trichalcogenides MX₃ (M = Zr, Hf; X = S, Se) and dichalcogenides MX₂ (M = Tc, Re; X=S, Se) for solar applications. Nanoscale, 2018, 10, 3547-3555.	5.6	70
22	Enhanced polarization-sensitive terahertz emission from vertically grown graphene by a dynamical photon drag effect. Nanoscale, 2017, 9, 10301-10311.	5.6	62
23	A two-dimensional MoS2/WSe2 van der Waals heterostructure for enhanced photoelectric performance. Applied Surface Science, 2020, 507, 145082.	6.1	62
24	Scalable synthesis of pyrrolic N-doped graphene by atmospheric pressure chemical vapor deposition and its terahertz response. Carbon, 2013, 62, 330-336.	10.3	61
25	Terahertz surface and interface emission spectroscopy for advanced materials. Journal of Physics Condensed Matter, 2019, 31, 153001.	1.8	59
26	Programmable hyperbolic polaritons in van der Waals semiconductors. Science, 2021, 371, 617-620.	12.6	58
27	Graphene as broadband terahertz antireflection coating. Applied Physics Letters, 2014, 104, 051106.	3.3	57
28	Refinement of Nb₃Sn grain size by the generation of ZrO₂ precipitates in Nb₃Sn wires. Applied Physics Letters, 2014, 104, 082602.	3.3	52
29	Using Antibody Modified Terahertz Metamaterial Biosensor to Detect Concentration of Carcinoembryonic Antigen. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	2.9	51
30	Distortion and Segregation in a Dislocation Core Region at Atomic Resolution. Physical Review Letters, 2005, 95, 145501.	7.8	50
31	Self-referenced sensing based on terahertz metamaterial for aqueous solutions. Applied Physics Letters, 2013, 102, .	3.3	49
32	Grapheneâ€“metamaterial hybridization for enhanced terahertz response. Carbon, 2014, 78, 102-112.	10.3	47
33	Terahertz wave reflection impedance matching properties of graphene layers at oblique incidence. Carbon, 2016, 96, 1129-1137.	10.3	47
34	Broadband terahertz wave generation from an epsilon-near-zero material. Light: Science and Applications, 2021, 10, 11.	16.6	47
35	Terahertz Surface Emission from Layered MoS₂ Crystal: Competition between Surface Optical Rectification and Surface Photocurrent Surge. Journal of Physical Chemistry C, 2018, 122, 481-488.	3.1	46
36	Transition from saturable absorption to reverse saturable absorption in MoTe2 nano-films with thickness and pump intensity. Applied Surface Science, 2018, 457, 115-120.	6.1	45

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37	Terahertz surface emission of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>d</mml:mi></mml:math> -band electrons from a layered tungsten disulfide crystal by the surface field. Physical Review B, 2017, 96, .	3.2	43
38	Tailoring Alphabetical Metamaterials in Optical Frequency: Plasmonic Coupling, Dispersion, and Sensing. ACS Nano, 2014, 8, 3796-3806.	14.6	42
39	Dielectric property of MoS_2 crystal in terahertz and visible regions. Applied Optics, 2015, 54, 6732.	2.1	42
40	Charge transfer in graphene/WS2 enhancing the saturable absorption in mixed heterostructure films. Applied Surface Science, 2019, 479, 1161-1168.	6.1	41
41	Band Alignment of MoTe₂/MoS₂ Nanocomposite Films for Enhanced Nonlinear Optical Performance. Advanced Materials Interfaces, 2019, 6, 1801733.	3.7	41
42	Switchable broadband and wide-angular terahertz asymmetric transmission based on a hybrid metal-VO₂ metasurface. Optics Express, 2020, 28, 30675.	3.4	41
43	Tunable magnetoplasmons for efficient terahertz modulator and isolator by gated monolayer graphene. Physical Chemistry Chemical Physics, 2013, 15, 5084.	2.8	40
44	Label-free monitoring of interaction between DNA and oxaliplatin in aqueous solution by terahertz spectroscopy. Applied Physics Letters, 2012, 101, .	3.3	39
45	Competition between Free Carriers and Excitons Mediated by Defects Observed in Layered WSe₂ Crystal with Timeâ€Resolved Terahertz Spectroscopy. Advanced Optical Materials, 2018, 6, 1800290.	7.3	39
46	Solution-processable reduced graphene oxide films as broadband terahertz wave impedance matching layers. Journal of Materials Chemistry C, 2015, 3, 2548-2556.	5.5	38
47	Terahertz surface emission from layered semiconductor WSe2. Applied Surface Science, 2018, 448, 416-423.	6.1	38
48	Terahertz Excitonic Response of Isolated Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 18106-18109.	3.1	36
49	Flexible and Anisotropic Properties of Monolayer MX₂ (M = Tc and Re; X = S, Se). Journal of Physical Chemistry C, 2017, 121, 23744-23751.	3.1	35
50	Identification of the Lowest <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>J</mml:mi><mml:mi>Ï€</mml:mi></mml:msup><mml:mo>=</mml:mo><mml:msup><mml:mn>(Isobaric Analog State in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmult. Physical Review Letters, 2016, 117, 182503.	7.8	34
51	Electrically Triggered Tunable Terahertz Band-Pass Filter Based on VO₂ Hybrid Metamaterial. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	33
52	Improved Performance of GaAs-Based Terahertz Emitters via Surface Passivation and Silicon Nitride Encapsulation. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 17-21.	2.9	31
53	Efficient perovskite solar cells via simple interfacial modification toward a mesoporous TiO₂ electron transportation layer. RSC Advances, 2016, 6, 82282-82288.	3.6	31
54	Imaging propagative exciton polaritons in atomically thin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mm waveguides. Physical Review B, 2019, 100, .	3.2	30

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55	Effects of Ba6Ti17O40 on the Dielectric Properties of Nb-Doped BaTiO3 Ceramics. Journal of the American Ceramic Society, 2006, 89, 2496-2501.	3.8	28
56	Nonlinear Optical Response in Graphene/WX₂ (X = S, Se, and Te) van der Waals Heterostructures. Journal of Physical Chemistry Letters, 2019, 10, 2090-2100.	4.6	28
57	Polarized THz Emission from Inâ€Plane Dipoles in Monolayer Tungsten Disulfide by Linear and Circular Optical Rectification. Advanced Optical Materials, 2019, 7, 1801314.	7.3	28
58	Terahertz Surface Emission from MoSe₂ at the Monolayer Limit. ACS Applied Materials & Interfaces, 2020, 12, 48161-48169.	8.0	28
59	Polarization-dependent terahertz metamaterial absorber with high absorption in two orthogonal directions. Optics Communications, 2014, 332, 321-326.	2.1	26
60	Highâ€Order Shift Current Induced Terahertz Emission from Inorganic Cesium Bromine Lead Perovskite Engendered by Twoâ€Photon Absorption. Advanced Functional Materials, 2019, 29, 1904694.	14.9	26
61	Electrically triggered dual-band tunable terahertz metamaterial band-pass filter based on Si₃N₄â€“VO₂â€“Si₃N₄ sandwich*. Chinese Physics B, 2019, 28, 054203.	1.4	26
62	Saturable and reverse saturable absorption in molybdenum disulfide dispersion and film by defect engineering. Photonics Research, 2020, 8, 1512.	7.0	26
63	Solution-processable exfoliation and photoelectric properties of two-dimensional layered MoS2 photoelectrodes. Journal of Colloid and Interface Science, 2017, 490, 287-293.	9.4	25
64	Green and efficient exfoliation of ReS2 and its photoelectric response based on electrophoretic deposited photoelectrodes. Materials and Design, 2018, 159, 11-19.	7.0	24
65	Band Alignment of WS₂/MoS₂ Photoanodes with Efficient Photoelectric Responses based on Mixed Van der Waals Heterostructures. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900544.	1.8	24
66	Band alignment of type-I SnS2/Bi2Se3 and type-II SnS2/Bi2Te3 van der Waals heterostructures for highly enhanced photoelectric responses. Science China Materials, 2022, 65, 1000-1011.	6.3	24
67	Terahertz emission from semi-insulating GaAs with octadecanthiol-passivated surface. Applied Surface Science, 2013, 279, 92-96.	6.1	23
68	Efficient mixed-solvent exfoliation of few-quintuple layer Bi₂S₃and its photoelectric response. Nanotechnology, 2017, 28, 335602.	2.6	23
69	Saturable Absorption Properties of ReS₂ Films and Mode-Locking Application Based on Double-Covered ReS₂ Micro Fiber. Journal of Lightwave Technology, 2018, 36, 5130-5136.	4.6	23
70	Effect of surface oxidation on nonlinear optical absorption in WS2 nanosheets. Applied Surface Science, 2020, 532, 147409.	6.1	23
71	Real-timely monitoring the interaction between bovine serum albumin and drugs in aqueous with terahertz metamaterial biosensor. Optics Communications, 2017, 388, 62-67.	2.1	22
72	Effect of inhomogeneity and plasmons on terahertz radiation from GaAs (100) surface coated with rough Au film. Applied Surface Science, 2013, 285, 853-857.	6.1	21

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73	Enhanced nonlinear saturable absorption from Type III van der Waals heterostructure Bi2S3/MoS2 by interlayer electron transition. Applied Surface Science, 2021, 538, 147989.	6.1	21
74	Improving Terahertz Sheet Conductivity of Graphene Films Synthesized by Atmospheric Pressure Chemical Vapor Deposition with Acetylene. Journal of Physical Chemistry C, 2014, 118, 15054-15060.	3.1	20
75	Interface Properties Probed by Active THz Surface Emission in Graphene/SiO₂/Si Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 35599-35606.	8.0	20
76	Electrophoretic deposition of ZnSnO3/MoS2 heterojunction photoanode with improved photoelectric response by low recombination rate. Journal of Alloys and Compounds, 2019, 810, 151845.	5.5	20
77	Enhanced UVâ€"Vis photodetector performance by optimizing interfacial charge transportation in the heterostructure by SnS and SnSe2. Journal of Colloid and Interface Science, 2022, 621, 374-384.	9.4	20
78	Ultrafast carrier dynamics in Auâˆ•GaAs interfaces studied by terahertz emission spectroscopy. Applied Physics Letters, 2006, 88, 161109.	3.3	19
79	Dynamically modulated intensity interrogation scheme using waveguide coupled surface plasmon resonance sensors. Sensors and Actuators A: Physical, 2010, 157, 9-14.	4.1	19
80	Design of separately tunable terahertz two-peak absorber based on graphene. Optics Communications, 2016, 369, 65-71.	2.1	19
81	Interface-induced terahertz persistent photoconductance in rGO-gelatin flexible films. Nanoscale, 2017, 9, 637-646.	5.6	19
82	Circular-Photon-Drag-Effect-Induced Elliptically Polarized Terahertz Emission from Vertically Grown Graphene. Physical Review Applied, 2019, 12, .	3.8	19
83	Study on split-ring-resonator based terahertz sensor and its application to the identification of product oil. Optical and Quantum Electronics, 2015, 47, 2867-2879.	3.3	18
84	Facile one-pot liquid exfoliation preparation of molybdenum sulfide and graphene heterojunction for photoelectrochemical performance. Journal of Materials Science, 2018, 53, 7744-7754.	3.7	18
85	Layer-Dependent Nonlinear Optical Properties of WS₂, MoS₂, and Bi₂S₃ Films Synthesized by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2022, 14, 2390-2400.	8.0	18
86	Spoof surface plasmon polaritons in terahertz transmission through subwavelength hole arrays analyzed by coupled oscillator model. Scientific Reports, 2015, 5, 16440.	3.3	17
87	A model for the compositions of non-stoichiometric intermediate phases formed by diffusion reactions and its application to Nb3Sn superconductors. Scientific Reports, 2016, 6, 19096.	3.3	17
88	Detection of thermodynamic â€œvalley noiseâ€•in monolayer semiconductors: Access to intrinsic valley relaxation time scales. Science Advances, 2019, 5, eaau4899.	10.3	17
89	Spontaneous Valley Polarization of Interacting Carriers in a Monolayer Semiconductor. Physical Review Letters, 2020, 125, 147602.	7.8	17
90	Hidden spin polarization in the centrosymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> crystal revealed via elliptically polarized terahertz emission. Physical Review B, 2020, 102, .	3.2	17

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91	Sensing self-assembled alkanethiols by differential transmission interrogation with terahertz metamaterials. Applied Optics, 2013, 52, 4877.	1.8	16
92	Coupling Tai Chi Chiral Metamaterials with Strong Optical Activity in Terahertz Region. Plasmonics, 2015, 10, 1005-1011.	3.4	16
93	Terahertz emission from vertically aligned multi-wall carbon nanotubes and their composites by optical excitation. Carbon, 2018, 132, 335-342.	10.3	16
94	Interfacial THz generation from graphene/Si mixed-dimensional van der Waals heterostructure. Nanoscale, 2019, 11, 16614-16620.	5.6	16
95	Terahertz emission from in-plane and out-of-plane dipoles in layered SnS2 crystal. Applied Physics Letters, 2020, 116, .	3.3	16
96	Broadband large-modulation-depth low-current-triggered terahertz intensity modulator based on VO₂ embedded hybrid metamaterials. Applied Physics Express, 2018, 11, 092004.	2.4	15
97	Improving photoelectric performance of MoS2 photoelectrodes by annealing. Ceramics International, 2018, 44, 21153-21158.	4.8	15
98	Strain-dependent anisotropic nonlinear optical response in two-dimensional functionalized MXene Sc₂CT₂ (T = O and OH). Physical Chemistry Chemical Physics, 2020, 22, 21428-21435.	2.8	15
99	Tunable Magneto-Optical Kerr Effect in Gated Monolayer Graphene in Terahertz Region. Journal of the Physical Society of Japan, 2013, 82, 074717.	1.6	14
100	Third-order nonlinear optical properties of WTe₂ films synthesized by pulsed laser deposition. Photonics Research, 2019, 7, 1493.	7.0	14
101	Terahertz interface physics: from terahertz wave propagation to terahertz wave generation. Journal Physics D: Applied Physics, 2022, 55, 223002.	2.8	14
102	Light-induced dielectric transparency in single-walled carbon nanotube films. Chemical Physics Letters, 2005, 410, 298-301.	2.6	13
103	Manipulating Magnetoinductive Coupling with Graphene-Based Plasmonic Metamaterials in THz Region. Plasmonics, 2016, 11, 963-970.	3.4	13
104	Search for decoupled bands in Odd-Odd 174Re. European Physical Journal A, 2000, 7, 19-22.	2.5	12
105	First application of combined isochronous and Schottky mass spectrometry: Half-lives of fully ionized Cr24+49 and Fe26+53 atoms. Physical Review C, 2018, 97, .	2.9	12
106	Giant Asymmetric Transmission and Circular Dichroism with Angular Tunability in Chiral Terahertz Metamaterials. Annalen Der Physik, 2020, 532, 1900398.	2.4	12
107	Anomalous enhancement of terahertz radiation from semi-insulating GaAs surfaces induced by optical pump. Applied Physics Letters, 2006, 89, 081129.	3.3	11
108	Deviation of optical constants extracted in terahertz transmission spectroscopy. Applied Optics, 2006, 45, 648.	2.1	11

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109	A facile approach for fabrication of underwater superoleophobic alloy. Applied Physics A: Materials Science and Processing, 2013, 113, 693-702.	2.3	11
110	Analysis of transition from Lorentz resonance to Fano resonance in plasmon and metamaterial systems. Optical and Quantum Electronics, 2016, 48, 1.	3.3	11
111	Mechanically tunable metamaterials terahertz dual-band bandstop filter. Chinese Physics B, 2017, 26, 074219.	1.4	11
112	Quantitative measurement of rubidium isotope ratio using forward degenerate four-wave mixing. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 70, 39-44.	2.9	10
113	Angular dependent anisotropic terahertz response of vertically aligned multi-walled carbon nanotube arrays with spatial dispersion. Scientific Reports, 2016, 6, 38515.	3.3	10
114	Tunable surface-plasmon-polariton-like modes based on graphene metamaterials in terahertz region. Computational Materials Science, 2016, 117, 544-548.	3.0	10
115	Giant angular dependence of electromagnetic induced transparency in THz metamaterials. Europhysics Letters, 2018, 121, 44004.	2.0	10
116	Nonlinear Optical Response on the Surface of Semiconductor SnS₂ Probed by Terahertz Emission Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 21559-21567.	3.1	10
117	Coherent Elliptically Polarized Terahertz Wave Generation in WSe₂ by Linearly Polarized Femtosecond Laser Excitation. Journal of Physical Chemistry Letters, 2021, 12, 10068-10078.	4.6	10
118	Anisotropic Second-Harmonic Generation Induced by Reduction of In-Plane Symmetry in 2D Materials with Strain Engineering. Journal of Physical Chemistry Letters, 2022, 13, 352-361.	4.6	10
119	Anomalous polarization pattern evolution of Raman modes in few-layer ReS₂ by angle-resolved polarized Raman spectroscopy. Nanoscale, 2022, 14, 1896-1905.	5.6	10
120	Optical Properties and Crystallization of Natural Waxes at Several Annealing Temperatures: a Terahertz Time-Domain Spectroscopy Study. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 302-312.	2.2	9
121	Coupling Between Metamolecular Modes and Lattice Diffraction Modes of Metamaterials in Terahertz Region. Plasmonics, 2018, 13, 961-969.	3.4	9
122	Active broadband terahertz wave impedance matching based on optically doped grapheneâ€“silicon heterojunction. Nanotechnology, 2019, 30, 195705.	2.6	9
123	Direct Growth of Graphene on Fused Quartz by Atmospheric Pressure Chemical Vapor Deposition with Acetylene. Journal of Physical Chemistry C, 2019, 123, 2370-2377.	3.1	9
124	Study of proton resonances in 18Ne via resonant elastic scattering of 17F + p and its astrophysical implication in the stellar reaction of 14O(Î±, p)17F. European Physical Journal A, 2011, 47, 1.	2.5	8
125	Terahertz generation from reduced graphene oxide. Carbon, 2018, 134, 439-447.	10.3	8
126	Localized surface plasmon resonance on two-dimensional HfSe2 and ZrSe2. Semiconductor Science and Technology, 2018, 33, 124014.	2.0	8

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127	Single- and dual-wavelength switchable mode-locked dissipative soliton Yb-doped fiber laser based on graphene/WS₂ nanocomposites modelocker and polarization controller. Applied Physics Express, 2019, 12, 112006.	2.4	8
128	Interface-Induced Enhancement of THz Generation and Modulation in Hexagonal Boron Nitride/Si Mixed-Dimensional Van Der Waals Heterostructure. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 101-106.	3.1	8
129	Photodoping of graphene/silicon van der Waals heterostructure observed by terahertz emission spectroscopy. Applied Physics Letters, 2020, 117, 081106.	3.3	8
130	Dramatically Enhanced Second Harmonic Generation in Janus Groupâ€II Chalcogenide Monolayers. Advanced Optical Materials, 2022, 10, .	7.3	8
131	Study of high-spin states in 143Pm. European Physical Journal A, 2000, 9, 157-160.	2.5	7
132	Magnetization-induced optical rectification and inverse spin Hall effect for interfacial terahertz generation in metallic heterostructures. Physical Review B, 2021, 103, .	3.2	7
133	Dispersion Property and Evolution of Second Harmonic Generation Pattern in Type-I and Type-II van der Waals Heterostructures. ACS Applied Materials & Interfaces, 2021, 13, 27334-27342.	8.0	7
134	Facile Twoâ€Step van der Waals Epitaxial Growth of Bi₂S₃/ReS₂ Heterostructure with Improved Saturable Absorption. Advanced Materials Interfaces, 2021, 8, 2100913.	3.7	7
135	Microfabrication and properties of the meta-materials. Microelectronic Engineering, 2006, 83, 1364-1367.	2.4	6
136	The rheological behavior of ceramic/polymer mixtures for coextrusion processing. Journal of Materials Science, 2007, 42, 1381-1387.	3.7	6
137	Taming excitons in IIâ€“VI semiconductor nanowires and nanobelts. Journal Physics D: Applied Physics, 2014, 47, 394009.	2.8	6
138	Texture and light-induced anisotropic terahertz properties of free-standing single-walled carbon nanotube films with random networks. Materials Chemistry and Physics, 2015, 162, 743-747.	4.0	6
139	Enhancement of multipolar Fano resonances by nanocrescent elliptical disk structures. Europhysics Letters, 2017, 118, 64002.	2.0	6
140	Giant plasmonic mode splitting in THz metamaterials mediated by coupling with Lorentz phonon mode. Applied Physics Letters, 2018, 112, .	3.3	6
141	Anisotropic terahertz response of stretch-aligned composite films based on carbon nanotubeâ€“SiC hybrid structures. RSC Advances, 2015, 5, 26985-26990.	3.6	5
142	Terahertz dielectric response of silica-encapsulated FePt coreâ€“shell colloid film. Applied Physics A: Materials Science and Processing, 2015, 118, 837-843.	2.3	5
143	Experimental study on an evaporation process to deposit MoO2 microflakes. Chemical Physics Letters, 2017, 687, 14-18.	2.6	5
144	Angular dependent strong coupling between localized waveguide resonance and surface plasmon resonance in complementary metamaterials. Journal of Physics Condensed Matter, 2019, 31, 085301.	1.8	5

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145	Spinâ€Polarized Electrons Impact on Terahertz Emission by Highâ€Order Shift Current in CsPbBr₃. Advanced Optical Materials, 2021, 9, 2100822.	7.3	5
146	Angular-dependent circular dichroism of Tai Chi chiral metamaterials in terahertz region. Applied Optics, 2020, 59, 3686.	1.8	5
147	Low-Voltage Triggered VO₂ Hybrid Metasurface Used for Amplitude Modulation of Terahertz Orthogonal Modes. Journal of Lightwave Technology, 2022, 40, 156-162.	4.6	5
148	Azimuth-Resolved Circular Dichroism of Metamaterials. Journal of Physical Chemistry Letters, 2022, 13, 1697-1704.	4.6	5
149	Mass Measurements of Proton-rich Nuclides at the Cooler Storage Ring at IMP. , 2011, , .		4
150	Large In-Plane Anisotropic Terahertz Emission Induced by Asymmetric Polarization in Low-Symmetric PdSe₂. ACS Applied Materials & Interfaces, 2021, 13, 54543-54550.	8.0	4
151	Enhanced terahertz emission from mushroom-shaped InAs nanowire network induced by linear and nonlinear optical effects. Nanotechnology, 2022, 33, 085207.	2.6	4
152	Accurately Controlling Angle-Resolved Second Harmonic Generation by Stacking Orders from a MoS₂ Homobilayer. Journal of Physical Chemistry C, 2022, 126, 10584-10592.	3.1	4
153	The effect of residual lens aberrations on the determination of column positions around partial dislocations in GaAs. Microscopy and Microanalysis, 2003, 9, 498-499.	0.4	3
154	On the vertical stacking in semiconducting WSe₂ bilayers. Materials Science and Technology, 2016, 32, 226-231.	1.6	3
155	Optical modulation characteristics of graphene supercapacitors at oblique incidence in visible-infrared region. Solid-State Electronics, 2017, 131, 1-8.	1.4	3
156	Pulsed THz emission from wurtzite phase catalyst-free InAs nanowires. Journal Physics D: Applied Physics, 2020, 53, 19LT01.	2.8	3
157	Elliptically polarized second-harmonic generation by local magnetic field in terahertz chiral metamaterials. Optics Communications, 2022, 508, 127668.	2.1	3
158	Transient Anisotropic Photocurrent Induced Terahertz Emission from the Surface of Black Phosphorus. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100413.	2.4	2
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