

Xinlong Xu

List of Publications by Year in descending order

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173
papers

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81900

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174
docs citations

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times ranked

8469
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#	ARTICLE	IF	CITATIONS
1	Band alignment of type-I SnS ₂ /Bi ₂ Se ₃ and type-II SnS ₂ /Bi ₂ Te ₃ van der Waals heterostructures for highly enhanced photoelectric responses. <i>Science China Materials</i> , 2022, 65, 1000-1011.	6.3	24
2	Narrowband terahertz metasurface circular polarization beam splitter with large spectral tunability based on lattice-induced chirality. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 105109.	2.8	2
3	Enhanced terahertz emission from mushroom-shaped InAs nanowire network induced by linear and nonlinear optical effects. <i>Nanotechnology</i> , 2022, 33, 085207.	2.6	4
4	Anisotropic Second-Harmonic Generation Induced by Reduction of In-Plane Symmetry in 2D Materials with Strain Engineering. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 352-361.	4.6	10
5	Elliptically polarized second-harmonic generation by local magnetic field in terahertz chiral metamaterials. <i>Optics Communications</i> , 2022, 508, 127668.	2.1	3
6	Low-Voltage Triggered VO ₂ Hybrid Metasurface Used for Amplitude Modulation of Terahertz Orthogonal Modes. <i>Journal of Lightwave Technology</i> , 2022, 40, 156-162.	4.6	5
7	Anomalous polarization pattern evolution of Raman modes in few-layer ReS ₂ by angle-resolved polarized Raman spectroscopy. <i>Nanoscale</i> , 2022, 14, 1896-1905.	5.6	10
8	Coherent injection photocurrent in bismuth sulfide film induced by one-plus-two photon absorption quantum interference. <i>Optics Letters</i> , 2022, 47, 1206-1209.	3.3	1
9	Terahertz interface physics: from terahertz wave propagation to terahertz wave generation. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 223002.	2.8	14
10	Azimuth-Resolved Circular Dichroism of Metamaterials. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1697-1704.	4.6	5
11	Layer-Dependent Nonlinear Optical Properties of WS ₂ , MoS ₂ , and Bi ₂ S ₃ Films Synthesized by Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2390-2400.	8.0	18
12	Enhanced UV-Vis photodetector performance by optimizing interfacial charge transportation in the heterostructure by SnS and SnSe ₂ . <i>Journal of Colloid and Interface Science</i> , 2022, 621, 374-384.	9.4	20
13	Dramatically Enhanced Second Harmonic Generation in Janus Group-III Chalcogenide Monolayers. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	8
14	Accurately Controlling Angle-Resolved Second Harmonic Generation by Stacking Orders from a MoS ₂ Homobilayer. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10584-10592.	3.1	4
15	Enhanced nonlinear saturable absorption from Type III van der Waals heterostructure Bi ₂ S ₃ /MoS ₂ by interlayer electron transition. <i>Applied Surface Science</i> , 2021, 538, 147989.	6.1	21
16	Broadband terahertz wave generation from an epsilon-near-zero material. <i>Light: Science and Applications</i> , 2021, 10, 11.	16.6	47
17	Programmable hyperbolic polaritons in van der Waals semiconductors. <i>Science</i> , 2021, 371, 617-620.	12.6	58
18	Magnetization-induced optical rectification and inverse spin Hall effect for interfacial terahertz generation in metallic heterostructures. <i>Physical Review B</i> , 2021, 103, .	3.2	7

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19	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
20	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
21	Spin-Polarized Electrons Impact on Terahertz Emission by High-Order Shift Current in CsPbBr ₃ . Advanced Optical Materials, 2021, 9, 2100822.	7.3	5
22	Contribution of drift photocurrent in bulk and monolayer SnS ₂ probed by terahertz emission spectroscopy. , 2021, , .		0
23	Photoinduced doping effect to manipulate interfacial terahertz emission from van der Waals heterostructures. , 2021, , .		0
24	Transient Anisotropic Photocurrent Induced Terahertz Emission from the Surface of Black Phosphorus. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100413.	2.4	2
25	Facile Two-Step van der Waals Epitaxial Growth of Bi ₂ S ₃ /ReS ₂ Heterostructure with Improved Saturable Absorption. Advanced Materials Interfaces, 2021, 8, 2100913.	3.7	7
26	Ultrafast Terahertz Complex Conductivity Dynamics of Layered MoS ₂ Crystal Probed by Time-Resolved Terahertz Spectroscopy. Frontiers in Physics, 2021, 9, .	2.1	1
27	Coherent Elliptically Polarized Terahertz Wave Generation in WSe ₂ by Linearly Polarized Femtosecond Laser Excitation. Journal of Physical Chemistry Letters, 2021, 12, 10068-10078.	4.6	10
28	Large In-Plane Anisotropic Terahertz Emission Induced by Asymmetric Polarization in Low-Symmetric PdSe ₂ . ACS Applied Materials & Interfaces, 2021, 13, 54543-54550.	8.0	4
29	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
30	A two-dimensional MoS ₂ /WSe ₂ van der Waals heterostructure for enhanced photoelectric performance. Applied Surface Science, 2020, 507, 145082.	6.1	62
31	Spontaneous Valley Polarization of Interacting Carriers in a Monolayer Semiconductor. Physical Review Letters, 2020, 125, 147602.	7.8	17
32	Terahertz Surface Emission from MoSe ₂ at the Monolayer Limit. ACS Applied Materials & Interfaces, 2020, 12, 48161-48169.	8.0	28
33	Effect of surface oxidation on nonlinear optical absorption in WS ₂ nanosheets. Applied Surface Science, 2020, 532, 147409.	6.1	23
34	Nonlinear Optical Response on the Surface of Semiconductor SnS ₂ Probed by Terahertz Emission Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 21559-21567.	3.1	10
35	Photodoping of graphene/silicon van der Waals heterostructure observed by terahertz emission spectroscopy. Applied Physics Letters, 2020, 117, 081106.	3.3	8
36	Hidden spin polarization in the centrosymmetric MoS_2 crystal revealed via elliptically polarized terahertz emission. Physical Review B, 2020, 102, .	3.2	17

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37	Strain-dependent anisotropic nonlinear optical response in two-dimensional functionalized MXene Sc ₂ CT ₂ (T = O and OH). Physical Chemistry Chemical Physics, 2020, 22, 21428-21435.	2.8	15
38	Nonlinear optical properties of halide perovskites and their applications. Applied Physics Reviews, 2020, 7, .	11.3	114
39	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	176
40	Pulsed THz emission from wurtzite phase catalyst-free InAs nanowires. Journal Physics D: Applied Physics, 2020, 53, 19LT01.	2.8	3
41	Giant Asymmetric Transmission and Circular Dichroism with Angular Tunability in Chiral Terahertz Metamaterials. Annalen Der Physik, 2020, 532, 1900398.	2.4	12
42	Terahertz emission from in-plane and out-of-plane dipoles in layered SnS ₂ crystal. Applied Physics Letters, 2020, 116, .	3.3	16
43	Switchable broadband and wide-angular terahertz asymmetric transmission based on a hybrid metal-VO ₂ metasurface. Optics Express, 2020, 28, 30675.	3.4	41
44	Saturable and reverse saturable absorption in molybdenum disulfide dispersion and film by defect engineering. Photonics Research, 2020, 8, 1512.	7.0	26
45	Electromagnetic Resonant Mode Interaction In Terahertz Metamaterials. , 2020, , .		0
46	Angular-dependent circular dichroism of Tai Chi chiral metamaterials in terahertz region. Applied Optics, 2020, 59, 3686.	1.8	5
47	Band Alignment of WS ₂ /MoS ₂ 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
48	Interfacial THz generation from graphene/Si mixed-dimensional van der Waals heterostructure. Nanoscale, 2019, 11, 16614-16620.	5.6	16
49	High-Order Shift Current Induced Terahertz Emission from Inorganic Cesium Bromine Lead Perovskite Engendered by Two-Photon Absorption. Advanced Functional Materials, 2019, 29, 1904694.	14.9	26
50	Electrophoretic deposition of ZnSnO ₃ /MoS ₂ heterojunction photoanode with improved photoelectric response by low recombination rate. Journal of Alloys and Compounds, 2019, 810, 151845.	5.5	20
51	Circular-Photon-Drag-Effect-Induced Elliptically Polarized Terahertz Emission from Vertically Grown Graphene. Physical Review Applied, 2019, 12, .	3.8	19
52	Single- and dual-wavelength switchable mode-locked dissipative soliton Yb-doped fiber laser based on graphene/WS ₂ nanocomposites modelocker and polarization controller. Applied Physics Express, 2019, 12, 112006.	2.4	8
53	Imaging propagative exciton polaritons in atomically thin WSe_2 waveguides. Physical Review B, 2019, 100, .	2.2	33
54	Active broadband terahertz wave impedance matching based on optically doped graphene-silicon heterojunction. Nanotechnology, 2019, 30, 195705.	2.6	9

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55	Terahertz surface and interface emission spectroscopy for advanced materials. Journal of Physics Condensed Matter, 2019, 31, 153001.	1.8	59
56	Electrically triggered dual-band tunable terahertz metamaterial band-pass filter based on Si ₃ N ₄ /VO ₂ /Si ₃ N ₄ sandwich*. Chinese Physics B, 2019, 28, 054203.	1.4	26
57	Detection of thermodynamic "valley noise" in monolayer semiconductors: Access to intrinsic valley relaxation time scales. Science Advances, 2019, 5, eaau4899.	10.3	17
58	Nonlinear Optical Response in Graphene/WX ₂ (X = S, Se, and Te) van der Waals Heterostructures. Journal of Physical Chemistry Letters, 2019, 10, 2090-2100.	4.6	28
59	Charge transfer in graphene/WS ₂ enhancing the saturable absorption in mixed heterostructure films. Applied Surface Science, 2019, 479, 1161-1168.	6.1	41
60	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	384
61	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
62	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
63	Polarized THz Emission from In-Plane Dipoles in Monolayer Tungsten Disulfide by Linear and Circular Optical Rectification. Advanced Optical Materials, 2019, 7, 1801314.	7.3	28
64	Band Alignment of MoTe ₂ /MoS ₂ Nanocomposite Films for Enhanced Nonlinear Optical Performance. Advanced Materials Interfaces, 2019, 6, 1801733.	3.7	41
65	Electrically Triggered Tunable Terahertz Band-Pass Filter Based on VO ₂ Hybrid Metamaterial. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	33
66	Third-order nonlinear optical properties of WTe ₂ films synthesized by pulsed laser deposition. Photonics Research, 2019, 7, 1493.	7.0	14
67	Terahertz Technology for Two-dimensional Materials. , 2019, , .		0
68	Terahertz emission from vertically aligned multi-wall carbon nanotubes and their composites by optical excitation. Carbon, 2018, 132, 335-342.	10.3	16
69	Giant angular dependence of electromagnetic induced transparency in THz metamaterials. Europhysics Letters, 2018, 121, 44004.	2.0	10
70	Giant plasmonic mode splitting in THz metamaterials mediated by coupling with Lorentz phonon mode. Applied Physics Letters, 2018, 112, .	3.3	6
71	Terahertz surface emission from layered semiconductor WSe ₂ . Applied Surface Science, 2018, 448, 416-423.	6.1	38
72	Terahertz generation from reduced graphene oxide. Carbon, 2018, 134, 439-447.	10.3	8

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73	Optical Properties and Crystallization of Natural Waxes at Several Annealing Temperatures: a Terahertz Time-Domain Spectroscopy Study. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 302-312.	2.2	9
74	First application of combined isochronous and Schottky mass spectrometry: Half-lives of fully ionized Cr ²⁴⁺ and Fe ²⁶⁺ atoms. <i>Physical Review C</i> , 2018, 97, .	2.9	12
75	Magneto-optics of Exciton Rydberg States in a Monolayer Semiconductor. <i>Physical Review Letters</i> , 2018, 120, 057405.	7.8	195
76	Facile one-pot liquid exfoliation preparation of molybdenum sulfide and graphene heterojunction for photoelectrochemical performance. <i>Journal of Materials Science</i> , 2018, 53, 7744-7754.	3.7	18
77	Band alignments and heterostructures of monolayer transition metal trichalcogenides MX ₃ (M = Zr, Hf; X = S, Se) and dichalcogenides MX ₂ (M = Tc, Re; X=S, Se) for solar applications. <i>Nanoscale</i> , 2018, 10, 3547-3555.	5.6	70
78	Coupling Between Metamolecular Modes and Lattice Diffraction Modes of Metamaterials in Terahertz Region. <i>Plasmonics</i> , 2018, 13, 961-969.	3.4	9
79	Terahertz Surface Emission from Layered MoS ₂ Crystal: Competition between Surface Optical Rectification and Surface Photocurrent Surge. <i>Journal of Physical Chemistry C</i> , 2018, 122, 481-488.	3.1	46
80	Localized surface plasmon resonance on two-dimensional HfSe ₂ and ZrSe ₂ . <i>Semiconductor Science and Technology</i> , 2018, 33, 124014.	2.0	8
81	Interface Properties Probed by Active THz Surface Emission in Graphene/SiO ₂ /Si Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35599-35606.	8.0	20
82	Saturable Absorption Properties of ReS ₂ Films and Mode-Locking Application Based on Double-Covered ReS ₂ Micro Fiber. <i>Journal of Lightwave Technology</i> , 2018, 36, 5130-5136.	4.6	23
83	Transition from saturable absorption to reverse saturable absorption in MoTe ₂ nano-films with thickness and pump intensity. <i>Applied Surface Science</i> , 2018, 457, 115-120.	6.1	45
84	Competition between Free Carriers and Excitons Mediated by Defects Observed in Layered WSe ₂ Crystal with Time-Resolved Terahertz Spectroscopy. <i>Advanced Optical Materials</i> , 2018, 6, 1800290.	7.3	39
85	Broadband large-modulation-depth low-current-triggered terahertz intensity modulator based on VO ₂ embedded hybrid metamaterials. <i>Applied Physics Express</i> , 2018, 11, 092004.	2.4	15
86	Improving photoelectric performance of MoS ₂ photoelectrodes by annealing. <i>Ceramics International</i> , 2018, 44, 21153-21158.	4.8	15
87	Green and efficient exfoliation of ReS ₂ and its photoelectric response based on electrophoretic deposited photoelectrodes. <i>Materials and Design</i> , 2018, 159, 11-19.	7.0	24
88	Surface Optical Rectification from Layered MoS ₂ Crystal by THz Time-Domain Surface Emission Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4956-4965.	8.0	84
89	Optical modulation characteristics of graphene supercapacitors at oblique incidence in visible-infrared region. <i>Solid-State Electronics</i> , 2017, 131, 1-8.	1.4	3
90	Elastic, electronic, and dielectric properties of bulk and monolayer ZrS ₂ , ZrSe ₂ , HfS ₂ , HfSe ₂ from van der Waals density-functional theory. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700033.	1.5	110

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91	Imaging exciton-polariton transport in MoSe ₂ waveguides. Nature Photonics, 2017, 11, 356-360.	31.4	182
92	Tunable circular polarization conversion and asymmetric transmission of planar chiral graphene-metamaterial in terahertz region. Carbon, 2017, 119, 305-313.	10.3	107
93	Enhanced polarization-sensitive terahertz emission from vertically grown graphene by a dynamical photon drag effect. Nanoscale, 2017, 9, 10301-10311.	5.6	62
94	Solution-processable exfoliation and photoelectric properties of two-dimensional layered MoS ₂ photoelectrodes. Journal of Colloid and Interface Science, 2017, 490, 287-293.	9.4	25
95	Interface-induced terahertz persistent photoconductance in rGO-gelatin flexible films. Nanoscale, 2017, 9, 637-646.	5.6	19
96	Flexible and Anisotropic Properties of Monolayer MX ₂ (M = Tc and Re; X = S, Se). Journal of Physical Chemistry C, 2017, 121, 23744-23751.	3.1	35
97	Experimental study on an evaporation process to deposit MoO ₂ microflakes. Chemical Physics Letters, 2017, 687, 14-18.	2.6	5
98	Enhancement of multipolar Fano resonances by nanocrescent elliptical disk structures. Europhysics Letters, 2017, 118, 64002.	2.0	6
99	Mechanically tunable metamaterials terahertz dual-band bandstop filter. Chinese Physics B, 2017, 26, 074219.	1.4	11
100	Enhanced Nonlinear Saturable Absorption of MoS ₂ /Graphene Nanocomposite Films. Journal of Physical Chemistry C, 2017, 121, 27147-27153.	3.1	72
101	Efficient mixed-solvent exfoliation of few-quintuple layer Bi ₂ S ₃ and its photoelectric response. Nanotechnology, 2017, 28, 335602.	2.6	23
102	Real-time monitoring the interaction between bovine serum albumin and drugs in aqueous with terahertz metamaterial biosensor. Optics Communications, 2017, 388, 62-67.	2.1	22
103	Terahertz surface emission of d -band electrons from a layered tungsten disulfide crystal by the surface field. Physical Review B, 2017, 96, .	3.2	43
104	Angular dependent anisotropic terahertz response of vertically aligned multi-walled carbon nanotube arrays with spatial dispersion. Scientific Reports, 2016, 6, 38515.	3.3	10
105	Invisibility of plasmonic nanoparticles in THz region. Materials Letters, 2016, 173, 149-152.	2.6	0
106	On the vertical stacking in semiconducting WSe ₂ bilayers. Materials Science and Technology, 2016, 32, 226-231.	1.6	3
107	Nano-optical imaging of WS_e -band electrons from a layered tungsten disulfide crystal by the surface field. Physical Review B, 2016, 94, .	3.2	82
108	Efficient perovskite solar cells via simple interfacial modification toward a mesoporous TiO ₂ electron transportation layer. RSC Advances, 2016, 6, 82282-82288.	3.6	31

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109	Sensing applications with THz plasmonic metamaterials. , 2016, , .		0
110	Graphene materials for terahertz technology with broadband impedance matching effect. , 2016, , .		0
111	Identification of the Lowest T , $\frac{J}{J_c} < \frac{1}{2}$, $\frac{J}{J_c} > \frac{1}{2}$ Isobaric Analog State in Nb_3Sn superconductors. Scientific Reports, 2016, 6, 19096.	7.8	34
112	A model for the compositions of non-stoichiometric intermediate phases formed by diffusion reactions and its application to Nb_3Sn superconductors. Scientific Reports, 2016, 6, 19096.	3.3	17
113	Analysis of transition from Lorentz resonance to Fano resonance in plasmon and metamaterial systems. Optical and Quantum Electronics, 2016, 48, 1.	3.3	11
114	Valley-polarized exciton dynamics in a 2D semiconductor heterostructure. Science, 2016, 351, 688-691.	12.6	606
115	Design of separately tunable terahertz two-peak absorber based on graphene. Optics Communications, 2016, 369, 65-71.	2.1	19
116	Manipulating Magnetoinductive Coupling with Graphene-Based Plasmonic Metamaterials in THz Region. Plasmonics, 2016, 11, 963-970.	3.4	13
117	Terahertz wave reflection impedance matching properties of graphene layers at oblique incidence. Carbon, 2016, 96, 1129-1137.	10.3	47
118	Tunable surface-plasmon-polariton-like modes based on graphene metamaterials in terahertz region. Computational Materials Science, 2016, 117, 544-548.	3.0	10
119	Spoof surface plasmon polaritons in terahertz transmission through subwavelength hole arrays analyzed by coupled oscillator model. Scientific Reports, 2015, 5, 16440.	3.3	17
120	Coupling Tai Chi Chiral Metamaterials with Strong Optical Activity in Terahertz Region. Plasmonics, 2015, 10, 1005-1011.	3.4	16
121	Magnetic control of valley pseudospin in monolayer WSe_2 . Nature Physics, 2015, 11, 148-152.	16.7	720
122	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
123	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
124	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
125	Anisotropic terahertz response of stretch-aligned composite films based on carbon nanotube SiC hybrid structures. RSC Advances, 2015, 5, 26985-26990.	3.6	5
126	Dielectric property of MoS_2 crystal in terahertz and visible regions. Applied Optics, 2015, 54, 6732.	2.1	42

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127	Terahertz dielectric response of silica-encapsulated FePt core-shell colloid film. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 837-843.	2.3	5
128	Searching for magnetism in pyrrolic N-doped graphene synthesized via hydrothermal reaction. <i>Carbon</i> , 2015, 84, 460-468.	10.3	112
129	Refinement of Nb ₃ Sn grain size by the generation of ZrO ₂ precipitates in Nb ₃ Sn wires. <i>Applied Physics Letters</i> , 2014, 104, 082602.	3.3	52
130	Graphene as broadband terahertz antireflection coating. <i>Applied Physics Letters</i> , 2014, 104, 051106.	3.3	57
131	Tailoring Alphabetical Metamaterials in Optical Frequency: Plasmonic Coupling, Dispersion, and Sensing. <i>ACS Nano</i> , 2014, 8, 3796-3806.	14.6	42
132	Polarization-dependent terahertz metamaterial absorber with high absorption in two orthogonal directions. <i>Optics Communications</i> , 2014, 332, 321-326.	2.1	26
133	Taming excitons in II-VI semiconductor nanowires and nanobelts. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 394009.	2.8	6
134	Graphene-metamaterial hybridization for enhanced terahertz response. <i>Carbon</i> , 2014, 78, 102-112.	10.3	47
135	Improving Terahertz Sheet Conductivity of Graphene Films Synthesized by Atmospheric Pressure Chemical Vapor Deposition with Acetylene. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15054-15060.	3.1	20
136	A facile approach for fabrication of underwater superoleophobic alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 693-702.	2.3	11
137	Scalable synthesis of pyrrolic N-doped graphene by atmospheric pressure chemical vapor deposition and its terahertz response. <i>Carbon</i> , 2013, 62, 330-336.	10.3	61
138	Effect of inhomogeneity and plasmons on terahertz radiation from GaAs (100) surface coated with rough Au film. <i>Applied Surface Science</i> , 2013, 285, 853-857.	6.1	21
139	Tunable Magneto-Optical Kerr Effect in Gated Monolayer Graphene in Terahertz Region. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 074717.	1.6	14
140	Alkanethiol-functionalized terahertz metamaterial as label-free, highly-sensitive and specific biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 42, 626-631.	10.1	128
141	Terahertz emission from semi-insulating GaAs with octadecanethiol-passivated surface. <i>Applied Surface Science</i> , 2013, 279, 92-96.	6.1	23
142	Self-referenced sensing based on terahertz metamaterial for aqueous solutions. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	49
143	Tunable magnetoplasmons for efficient terahertz modulator and isolator by gated monolayer graphene. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5084.	2.8	40
144	Hydrogen Kinetics on Scalable Graphene Growth by Atmospheric Pressure Chemical Vapor Deposition with Acetylene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14348-14353.	3.1	72

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145	Design of a polarization insensitive multiband terahertz metamaterial absorber. Journal Physics D: Applied Physics, 2013, 46, 195103.	2.8	111
146	Sensing self-assembled alkanethiols by differential transmission interrogation with terahertz metamaterials. Applied Optics, 2013, 52, 4877.	1.8	16
147	Sensing properties of infrared nanostructured plasmonic crystals fabricated by electron beam lithography and argon ion milling. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, 06FE02.	1.2	1
148	Label-free monitoring of interaction between DNA and oxaliplatin in aqueous solution by terahertz spectroscopy. Applied Physics Letters, 2012, 101, .	3.3	39
149	Investigation of the $^{14}\text{O}(\bar{1}\pm, p)^{17}\text{F}$ stellar reaction via resonant elastic scattering of $^{17}\text{F}+p$. , 2012, , .		0
150	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
151	Synthesis and optical properties of In_2S_3 1D nanostructures. Nanoscale, 2012, 4, 1422.	5.6	74
152	Dynamics of Bound Exciton Complexes in CdS Nanobelts. ACS Nano, 2011, 5, 3660-3669.	14.6	132
153	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
154	Vertically Aligned Cadmium Chalcogenide Nanowire Arrays on Muscovite Mica: A Demonstration of Epitaxial Growth Strategy. Nano Letters, 2011, 11, 3051-3057.	9.1	94
155	Flexible Visible-Infrared Metamaterials and Their Applications in Highly Sensitive Chemical and Biological Sensing. Nano Letters, 2011, 11, 3232-3238.	9.1	215
156	Study of proton resonances in ^{18}Ne via resonant elastic scattering of $^{17}\text{F} + p$ and its astrophysical implication in the stellar reaction of $^{14}\text{O}(\bar{1}\pm, p)^{17}\text{F}$. European Physical Journal A, 2011, 47, 1.	2.5	8
157	Mass Measurements of Proton-rich Nuclides at the Cooler Storage Ring at IMP. , 2011, , .		4
158	Mass Evaluation for Proton Rich Nuclides. , 2011, , .		0
159	Dynamically modulated intensity interrogation scheme using waveguide coupled surface plasmon resonance sensors. Sensors and Actuators A: Physical, 2010, 157, 9-14.	4.1	19
160	Characterisation of nanostructures via terahertz spectroscopy. , 2010, , .		0
161	Terahertz Excitonic Response of Isolated Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 18106-18109.	3.1	36
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