

Hongwei Zhao

List of Publications by Year in descending order

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48
papers

1,329
citations

516710

16
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345221

36
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48
all docs

48
docs citations

48
times ranked

1442
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent heterodyne time-domain spectrometry covering the entire "terahertz gap". Applied Physics Letters, 2008, 92, .	3.3	301
2	Electron-ion collider in China. Frontiers of Physics, 2021, 16, 1.	5.0	208
3	Spectroscopic studies on the interaction between riboflavin and albumins. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 811-817.	3.9	124
4	Formation and Stability of Bulk Nanobubbles Generated by Ethanol-Water Exchange. ChemPhysChem, 2017, 18, 1345-1350.	2.1	89
5	Terahertz identification and quantification of neurotransmitter and neurotrophin mixture. Biomedical Optics Express, 2016, 7, 4472.	2.9	46
6	Unexpectedly Enhanced Solubility of Aromatic Amino Acids and Peptides in an Aqueous Solution of Divalent Transition-Metal Cations. Physical Review Letters, 2016, 117, 238102.	7.8	41
7	Isomers Identification of 2-hydroxyglutarate acid disodium salt (2HG) by Terahertz Time-domain Spectroscopy. Scientific Reports, 2017, 7, 12166.	3.3	36
8	Characteristic fingerprint spectrum of neurotransmitter norepinephrine with broadband terahertz time-domain spectroscopy. Analyst, The, 2019, 144, 2504-2510.	3.5	35
9	Terahertz spectra of l-phenylalanine and its monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 178, 19-23.	3.9	32
10	Observation of a high degree of stopping for laser-accelerated intense proton beams in dense ionized matter. Nature Communications, 2020, 11, 5157.	12.8	29
11	Mechanical Design of a Nb ₃ Sn Superconducting Magnet System for a 45 GHz ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	24
12	Terahertz time-domain spectroscopy of l-histidine hydrochloride monohydrate. Journal of Molecular Structure, 2018, 1157, 486-491.	3.6	22
13	Ultra-broadband terahertz fingerprint spectrum of melatonin with vibrational mode analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119141.	3.9	22
14	Preparation of freestanding graphene-based laminar membrane for clean-water intake via forward osmosis process. RSC Advances, 2017, 7, 1326-1335.	3.6	21
15	Broadband terahertz signatures and vibrations of dopamine. Analyst, The, 2020, 145, 6006-6013.	3.5	21
16	First mass measurement of short-lived nuclides at HIRFL-CSR. Science Bulletin, 2009, 54, 4749-4752.	9.0	19
17	Terahertz spectroscopy of enantiomeric and racemic pyroglutamic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 225, 117509.	3.9	18
18	Terahertz Time-Domain Spectroscopy of Four Hydroxycinnamic Acid Derivatives. Journal of Biological Physics, 2007, 32, 403-412.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Terahertz spectroscopic investigation of gallic acid and its monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 40-46.	3.9	17
20	Monitoring <i>cis</i> -to- <i>trans</i> isomerization of azobenzene using terahertz time-domain spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27205-27213.	2.8	17
21	Broadband terahertz recognizing conformational characteristics of a significant neurotransmitter β -aminobutyric acid. <i>RSC Advances</i> , 2019, 9, 20240-20247.	3.6	17
22	Hydrogen bond network in the hydration layer of the water confined in nanotubes increasing the dielectric constant parallel along the nanotube axis. <i>Journal of Chemical Physics</i> , 2015, 143, 114708.	3.0	14
23	Terahertz Signatures of Hydrate Formation in Alkali Halide Solutions. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7146-7152.	4.6	14
24	Non-thermal hydrogen plasma processing effectively increases the antibacterial activity of graphene oxide. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	13
25	Far-infrared terahertz properties of L-cysteine and its hydrochloride monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117476.	3.9	13
26	Probing NaCl hydrate formation from aqueous solutions by terahertz time-domain spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17791-17797.	2.8	11
27	Superconducting Magnets for High Performance ECR Ion Sources. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-6.	1.7	10
28	Terahertz electromagnetically-induced transparency of self-complementary meta-molecules on Croatian checkerboard. <i>Scientific Reports</i> , 2019, 9, 6205.	3.3	10
29	Ultra-Broadband THz Antireflective Coating with Polymer Composites. <i>Polymers</i> , 2017, 9, 574.	4.5	9
30	Terahertz time-domain spectroscopy of some pentoses. <i>Science in China Series B: Chemistry</i> , 2006, 49, 204-208.	0.8	8
31	SDS-PAGE study on photooxidation damage of lysozyme induced by riboflavin. <i>Science in China Series B: Chemistry</i> , 2007, 50, 84-90.	0.8	8
32	Quantitative measurement of mixtures by terahertz time-domain spectroscopy. <i>Journal of Chemical Sciences</i> , 2009, 121, 515-520.	1.5	8
33	Transient species and its properties of melatonin. <i>Science in China Series B: Chemistry</i> , 2006, 49, 308-314.	0.8	7
34	Application of terahertz spectroscopy on monitoring crystallization and isomerization of azobenzene. <i>Optics Express</i> , 2021, 29, 14894.	3.4	7
35	The fingerprints of nifedipine/isonicotinamide cocrystal polymorph studied by terahertz time-domain spectroscopy. <i>International Journal of Pharmaceutics</i> , 2022, 620, 121759.	5.2	7
36	Terahertz Spectra of Ninhydrin and Indane-1,2,3-Trione. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017, 38, 896-908.	2.2	5

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37	The Hydration Shell of Monomeric and Dimeric Insulin Studied by Terahertz Time-Domain Spectroscopy. <i>Biophysical Journal</i> , 2019, 117, 533-541.	0.5	5
38	Terahertz time-domain spectroscopic investigation on quinones. <i>Science in China Series B: Chemistry</i> , 2008, 51, 354-358.	0.8	4
39	Suppression of terahertz dipole oscillation in split-ring resonators deformed from square to triangle. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	4
40	Commissioning of HIRFL-CSR and its Electron Coolers. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	3
41	RF and field measurements of the SSC-LINAC RFQ. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1311-1317.	5.1	3
42	Probing lattice vibration of alkali halide crystals by broadband terahertz spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119671.	3.9	3
43	RF system of HIRFL-CSR. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 44-47.	5.1	2
44	The Influence of Element Deformation on Terahertz Mode Interaction in Split-Ring Resonator-Based Meta-Atoms. <i>Plasmonics</i> , 2017, 12, 1391-1398.	3.4	2
45	Frequency-dependent absorbance of broadband terahertz wave in dense plasma sheet. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	2
46	A Dual-Resonant Metamaterial in Terahertz Regime. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 2095-2099.	1.4	1
47	Solid-state reaction between p-benzoquinone and 4,4'-biphenol: a THz time-domain spectroscopic study. <i>Journal of Applied Spectroscopy</i> , 2011, 78, 318-325.	0.7	0
48	Overview and summary of the 18th International Conference on Ion Sources, Lanzhou, China, 2019. <i>Review of Scientific Instruments</i> , 2020, 91, 041601.	1.3	0