Binyi Qin

List of Publications by Year
in descending order

18 papers	306 citations	1163117 8 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	216 citing authors

#	Article	IF	Citations
1	Numerical Investigation Energy Conversion Performance of Tin-Based Perovskite Solar Cells Using Cell Capacitance Simulator. Energies, 2020, 13, 5907.	3.1	99
2	Highly Sensitive Detection of Carbendazim by Using Terahertz Time-Domain Spectroscopy Combined With Metamaterial. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 149-154.	3.1	51
3	Quantitative determination of Auramine O by terahertz spectroscopy with 2DCOS-PLSRÂmodel. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 184, 335-341.	3.9	28
4	Intermolecular vibrational modes and H-bond interactions in crystalline urea investigated by terahertz spectroscopy and theoretical calculation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 528-534.	3.9	25
5	Terahertz time-domain spectroscopy combined with PCA-CFSFDP applied for pesticide detection. Optical and Quantum Electronics, 2017, 49, 1.	3.3	24
6	Identification of genetically modified cotton seeds by terahertz spectroscopy with MPGA-SVM. Optik, 2017, 142, 576-582.	2.9	14
7	Sensitive distinction between herbs by terahertz spectroscopy and a metamaterial resonator. Spectroscopy Letters, 2018, 51, 174-178.	1.0	13
8	Sensitive detection of chlorpheniramine maleate using THz combined with metamaterials. Optical and Quantum Electronics, 2017, 49, 1.	3.3	12
9	Application of terahertz spectroscopy and theoretical calculation in dimethylurea isomers investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 336-342.	3.9	8
10	Pesticide detection combining the Wasserstein generative adversarial network and the residual neural network based on terahertz spectroscopy. RSC Advances, 2022, 12, 1769-1776.	3.6	8
11	Feasibility of Terahertz Time-Domain Spectroscopy to Detect Carbendazim Mixtures Wrapped in Paper. Journal of Spectroscopy, 2017, 2017, 1-8.	1.3	7
12	A Terahertz Spectroscopy Nondestructive Identification Method for Rubber Based on CS-SVM. Advances in Condensed Matter Physics, 2018, 2018, 1-8.	1.1	4
13	An Unsupervised Learning Method for the Detection of Genetically Modified Crops Based on Terahertz Spectral Data Analysis. Security and Communication Networks, 2021, 2021, 1-7.	1.5	4
14	Resolution of overlapping terahertz spectra using non-negative matrix factorization base on pure variables initialization. Optik, 2019, 176, 600-610.	2.9	3
15	Reference-Driven Undersampled MR Image Reconstruction Using Wavelet Sparsity-Constrained Deep Image Prior. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-12.	1.3	3
16	Intermolecular weak interaction of imidacloprid investigated by terahertz spectroscopy and theoretical calculation. Optik, 2021, 241, 167063.	2.9	2
17	Thermotunable Terahertz Negative-Index Metamaterials with Dielectric Spheres Embedded in Semiconductor Host. Advances in Condensed Matter Physics, 2018, 2018, 1-6.	1.1	1
18	OGFNet: Original Resolution Subnetwork and GRU Based Feature Fusion Network for Image Denoising. , 2021, , .		0