

# Binyi Qin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2608736/publications.pdf>

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