

Tao Chen

List of Publications by Year in descending order

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18
papers

278
citations

840776

11
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940533

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citing authors

#	ARTICLE	IF	CITATIONS
1	Discrimination of genetically modified sugar beets based on terahertz spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 586-590.	3.9	35
2	A THz spectroscopy nondestructive identification method for transgenic cotton seed based on GA-SVM. <i>Optical and Quantum Electronics</i> , 2015, 47, 313-322.	3.3	28
3	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
4	Intermolecular weak interactions of crystalline purine and uric acid investigated by terahertz spectroscopy and theoretical calculation. <i>Journal of Luminescence</i> , 2020, 223, 117198.	3.1	24
5	Identification of GMOs by terahertz spectroscopy and ALA-SVM. <i>Optical and Quantum Electronics</i> , 2015, 47, 685-695.	3.3	23
6	Experimental and theoretical investigations of tartaric acid isomers by terahertz spectroscopy and density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 312-319.	3.9	21
7	A Tunable Terahertz Graphene Metamaterial Sensor Based on Dual Polarized Plasmon-Induced Transparency. <i>IEEE Sensors Journal</i> , 2022, 22, 14084-14090.	4.7	18
8	Analysis of Intermolecular Weak Interactions and Vibrational Characteristics for Vanillin and Ortho-Vanillin by Terahertz Spectroscopy and Density Functional Theory. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 318-329.	3.1	15
9	Hyper sausage neuron: Recognition of transgenic sugar-beet based on terahertz spectroscopy. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2015, 118, 175-180.	0.6	13
10	Sensitive distinction between herbs by terahertz spectroscopy and a metamaterial resonator. <i>Spectroscopy Letters</i> , 2018, 51, 174-178.	1.0	13
11	Sensitive detection of chlorpheniramine maleate using THz combined with metamaterials. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	3.3	12
12	Split ring resonators: using the redshift of terahertz responses peak to identify transgenic products with similar spectral characteristics. <i>Optical and Quantum Electronics</i> , 2015, 47, 1819-1828.	3.3	9
13	Identification of coumarin-based food additives using terahertz spectroscopy combined with manifold learning and improved support vector machine. <i>Journal of Food Science</i> , 2022, 87, 1108-1118.	3.1	9
14	The combination of terahertz spectroscopy and density functional theory for vibrational modes and weak interactions analysis of vanillin derivatives. <i>Journal of Molecular Structure</i> , 2022, 1265, 133404.	3.6	9
15	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
16	Application of terahertz spectroscopy combined with density functional theory to analysis of intermolecular weak interactions for coumarin and 6-methylcoumarin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120159.	3.9	6
17	Classification and recognition of genetically modified organisms by chemometrics methods using terahertz spectroscopy. <i>International Journal of Food Science and Technology</i> , 2015, 50, 2682-2687.	2.7	5
18	Quantitative Determination of Sucrose Adulterated in Red Ginseng by Terahertz Time-Domain Spectroscopy (THz-TDS) with Monte Carlo Uninformative Variable Elimination (MCUVE) and Support Vector Regression (SVR). <i>Journal of Spectroscopy</i> , 2022, 2022, 1-10.	1.3	2