

Zhongbo Yang

List of Publications by Year in descending order

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32
papers

1,357
citations

394421

19
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

2289
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous Au@Ag Nanospheres with High-Density and Highly Accessible Hotspots for SERS Analysis. <i>Nano Letters</i> , 2016, 16, 3675-3681.	9.1	388
2	Highly Sensitive, Uniform, and Reproducible Surface-Enhanced Raman Spectroscopy from Hollow Au@Ag Alloy Nanourchins. <i>Advanced Materials</i> , 2014, 26, 2431-2439.	21.0	240
3	Sub-100nm hollow Au@Ag alloy urchin-shaped nanostructure with ultrahigh density of nanotips for photothermal cancer therapy. <i>Biomaterials</i> , 2014, 35, 4099-4107.	11.4	90
4	Large-area fabrication of highly reproducible surface enhanced Raman substrate via a facile double sided tape-assisted transfer approach using hollow Au@Ag alloy nanourchins. <i>Nanoscale</i> , 2014, 6, 2567-2572.	5.6	54
5	Gold mesoparticles with precisely controlled surface topographies for single-particle surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5567.	5.5	51
6	Rapid and label-free detection and assessment of bacteria by terahertz time-domain spectroscopy. <i>Journal of Biophotonics</i> , 2016, 9, 1050-1058.	2.3	45
7	Nanotoxicity of Silver Nanoparticles on HEK293T Cells: A Combined Study Using Biomechanical and Biological Techniques. <i>ACS Omega</i> , 2018, 3, 6770-6778.	3.5	42
8	Near-Field Nanoscopic Terahertz Imaging of Single Proteins. <i>Small</i> , 2021, 17, e2005814.	10.0	41
9	Detecting melanoma with a terahertz spectroscopy imaging technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118229.	3.9	32
10	Interrogation of drug effects on HeLa cells by exploiting new AFM mechanical biomarkers. <i>RSC Advances</i> , 2017, 7, 43764-43771.	3.6	29
11	Single cell imaging with near-field terahertz scanning microscopy. <i>Cell Proliferation</i> , 2020, 53, e12788.	5.3	29
12	Detection of DNA oligonucleotides with base mutations by terahertz spectroscopy and microstructures. <i>PLoS ONE</i> , 2018, 13, e0191515.	2.5	29
13	Terahertz, infrared and Raman absorption spectra of tyrosine enantiomers and racemic compound. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119611.	3.9	27
14	Facile syntheses of 3-dimension graphene aerogel and nanowalls with high specific surface areas. <i>Chemical Physics Letters</i> , 2017, 677, 7-12.	2.6	26
15	Rapid and label-free metamaterial-based biosensor for fatty acid detection with terahertz time-domain spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117736.	3.9	24
16	Particle-Arrayed Silver Mesocubes Synthesized via Reducing Silver Oxide Mesocrystals for Surface-Enhanced Raman Spectroscopy. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 390-397.	2.3	23
17	Imaging brain tissue slices with terahertz near-field microscopy. <i>Biotechnology Progress</i> , 2019, 35, e2741.	2.6	22
18	Transformation and dehydration kinetics of methylene blue hydrates detected by terahertz time-domain spectroscopy. <i>RSC Advances</i> , 2017, 7, 41667-41674.	3.6	21

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19	Signal detection techniques for scattering-type scanning near-field optical microscopy. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 806-835.	6.7	21
20	Capillary number encouraged the construction of smart biomimetic eyes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5896-5902.	5.5	16
21	Determination of Critical Micelle Concentrations of Surfactants by Terahertz Time-Domain Spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 532-540.	3.1	16
22	Detection of single-base mutation of DNA oligonucleotides with different lengths by terahertz attenuated total reflection microfluidic cell. <i>Biomedical Optics Express</i> , 2020, 11, 5362.	2.9	16
23	Terahertz Spectroscopic Signatures of Microcystin Aptamer Solution Probed with a Microfluidic Chip. <i>Sensors</i> , 2019, 19, 534.	3.8	13
24	Revealing the Effects of Curcumin on SH-SY5Y Neuronal Cells: A Combined Study from Cellular Viability, Morphology, and Biomechanics. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4273-4279.	5.2	9
25	Study on an artificial phenomenon observed in terahertz biological imaging. <i>Biomedical Optics Express</i> , 2021, 12, 3133.	2.9	9
26	Synthesis of novel rambutan-like graphene@aluminum composite spheres and non-destructive terahertz characterization. <i>RSC Advances</i> , 2019, 9, 3486-3492.	3.6	8
27	Detection of gene mutation responsible for Huntington's disease by terahertz attenuated total reflection microfluidic spectroscopy. <i>Journal of Biophotonics</i> , 2021, 14, e202000315.	2.3	8
28	Enhancement Effects of the Terahertz Near-Field Microscopy. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 1745-1755.	2.5	7
29	Synchrotron Radiation-Based FTIR Microspectroscopic Imaging of Traumatically Injured Mouse Brain Tissue Slices. <i>ACS Omega</i> , 2020, 5, 29698-29705.	3.5	7
30	Adjusting light distribution for generating microlens arrays with a controllable profile and fill factor. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 125012.	2.6	5
31	Influence of the PM2.5 Water-Soluble Compound on the Biophysical Properties of A549 Cells. <i>Langmuir</i> , 2021, 37, 4042-4048.	3.5	5
32	Imaging Biological Samples Using Far- and Near-Filed THz Microscopy. , 2019, , .		3