

# Huabin Wang

## List of Publications by Year in descending order

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35  
papers

669  
citations

516710

16  
h-index

610901

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g-index

36  
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36  
docs citations

36  
times ranked

961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-free study on the effect of a bioactive constituent on glioma cells in vitro using terahertz ATR spectroscopy. <i>Biomedical Optics Express</i> , 2022, 13, 2380.	2.9	8
2	Mechanical-electrochemical coupling theory of bacterial cells. <i>International Journal of Solids and Structures</i> , 2022, 252, 111804.	2.7	0
3	Near-field Nanoscopic Terahertz Imaging of Single Proteins. <i>Small</i> , 2021, 17, e2005814.	10.0	41
4	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
5	Study on an artificial phenomenon observed in terahertz biological imaging. <i>Biomedical Optics Express</i> , 2021, 12, 3133.	2.9	9
6	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
7	Terahertz Plasmon-Induced Transparency Effect in Parallel Plate Waveguide. <i>IEEE Access</i> , 2021, 9, 16279-16285.	4.2	5
8	Measurement of the interconnected turgor pressure and envelope elasticity of live bacterial cells. <i>Soft Matter</i> , 2021, 17, 2042-2049.	2.7	7
9	Synchrotron Radiation-Based FTIR Microspectroscopic Imaging of Traumatically Injured Mouse Brain Tissue Slices. <i>ACS Omega</i> , 2020, 5, 29698-29705.	3.5	7
10	Single cell imaging with near-field terahertz scanning microscopy. <i>Cell Proliferation</i> , 2020, 53, e12788.	5.3	29
11	Detecting melanoma with a terahertz spectroscopy imaging technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118229.	3.9	32
12	Full-color carbon dots with multiple red-emission tuning: on/off sensors, in vitro and in vivo multicolor bioimaging. <i>Journal of Materials Science</i> , 2019, 54, 6815-6825.	3.7	42
13	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
14	Terahertz Spectroscopic Signatures of Microcystin Aptamer Solution Probed with a Microfluidic Chip. <i>Sensors</i> , 2019, 19, 534.	3.8	13
15	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
16	Imaging brain tissue slices with terahertz near-field microscopy. <i>Biotechnology Progress</i> , 2019, 35, e2741.	2.6	22
17	Signal detection techniques for scattering-type scanning near-field optical microscopy. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 806-835.	6.7	21
18	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

#	ARTICLE	IF	CITATIONS
19	Intracellular localisation of proteins to specific cellular areas by nanocapsule mediated delivery. <i>Journal of Drug Targeting</i> , 2017, 25, 724-733.	4.4	2
20	Influence of Fimbriae on Bacterial Adhesion and Viscoelasticity and Correlations of the Two Properties with Biofilm Formation. <i>Langmuir</i> , 2017, 33, 100-106.	3.5	39
21	Interrogation of drug effects on HeLa cells by exploiting new AFM mechanical biomarkers. <i>RSC Advances</i> , 2017, 7, 43764-43771.	3.6	29
22	Effects of stimulated aggrecanolytic on nanoscale morphological and mechanical properties of wild-type and aggrecanase-resistant mutant mice cartilages. <i>European Physical Journal E</i> , 2017, 40, 72.	1.6	4
23	Stigmergy co-ordinates multicellular collective behaviours during <i>Myxococcus xanthus</i> surface migration. <i>Scientific Reports</i> , 2016, 6, 26005.	3.3	27
24	Role of Capsular Polysaccharides in Biofilm Formation: An AFM Nanomechanics Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13007-13013.	8.0	58
25	Atomic Force Microscopy Reveals the Mechanobiology of Lytic Peptide Action on Bacteria. <i>Langmuir</i> , 2015, 31, 6164-6171.	3.5	48
26	AFM lateral force calibration for an integrated probe using a calibration grating. <i>Ultramicroscopy</i> , 2014, 136, 193-200.	1.9	24
27	Nanomechanics measurements of live bacteria reveal a mechanism for bacterial cell protection: the polysaccharide capsule in <i>Klebsiella</i> is a responsive polymer hydrogel that adapts to osmotic stress. <i>Soft Matter</i> , 2013, 9, 7560.	2.7	40
28	Stigmergy. <i>Communicative and Integrative Biology</i> , 2013, 6, e27331.	1.4	28
29	Fabrication and application of high quality poly(dimethylsiloxane) stamps by gamma ray irradiation. <i>Journal of Materials Chemistry</i> , 2011, 21, 4279.	6.7	10
30	Molecular Expansion of an Individual Coiled DNA on a Graphite Surface. <i>Langmuir</i> , 2011, 27, 2405-2410.	3.5	7
31	Evaluation of the Radial Deformability of Poly(dG)~Poly(dC) DNA and G4-DNA Using Vibrating Scanning Polarization Force Microscopy. <i>Langmuir</i> , 2010, 26, 7523-7528.	3.5	8
32	VISUALIZATION EX SITU OF SINGLE DNA MOLECULES INCUBATION: A FIRST STEP FOR QUANTITATIVE ANALYSIS ON MULTI-SITE DEGRADATION AND ENZYMATIc KINETICS. <i>Surface Review and Letters</i> , 2009, 16, 79-85.	1.1	1
33	ORGANIC SOLVENT-ASSISTED TRANSFER PRINTING ON HYDROPHOBIC POLYMER SUBSTRATE WITH HIGH EFFICIENCY. <i>Surface Review and Letters</i> , 2008, 15, 763-768.	1.1	4
34	Study of Radial Compression Elasticity of Single Xanthan Molecules by Vibrating Scanning Polarization Force Microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3864-3867.	0.9	6
35	INVESTIGATION ON THE MORPHOLOGY OF PRECIPITATED CHEMICALS FROM TE BUFFER ON SOLID SUBSTRATES. <i>Surface Review and Letters</i> , 2007, 14, 1121-1128.	1.1	6