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List of Publications by Year in descending order

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48
papers

2,019
citations

430874

18
h-index

477307

29
g-index

48
all docs

48
docs citations

48
times ranked

2518
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkyne-Tag Raman Imaging for Visualization of Mobile Small Molecules in Live Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 20681-20689.	13.7	370
2	Raman and SERS microscopy for molecular imaging of live cells. <i>Nature Protocols</i> , 2013, 8, 677-692.	12.0	304
3	Imaging of EdU, an Alkyne-Tagged Cell Proliferation Probe, by Raman Microscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 6102-6105.	13.7	302
4	Dynamic SERS Imaging of Cellular Transport Pathways with Endocytosed Gold Nanoparticles. <i>Nano Letters</i> , 2011, 11, 5344-5348.	9.1	216
5	Amplification-free RNA detection with CRISPR-Cas13. <i>Communications Biology</i> , 2021, 4, 476.	4.4	119
6	Sphingomyelin distribution in lipid rafts of artificial monolayer membranes visualized by Raman microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4558-4563.	7.1	113
7	Alkyne-Tag SERS Screening and Identification of Small-Molecule-Binding Sites in Protein. <i>Journal of the American Chemical Society</i> , 2016, 138, 13901-13910.	13.7	76
8	A sensitive and specific Raman probe based on bisarylbutadiyne for live cell imaging of mitochondria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 664-667.	2.2	48
9	Optical trapping and surgery of living yeast cells using a single laser. <i>Review of Scientific Instruments</i> , 2008, 79, 103705.	1.3	47
10	Metal nanoparticles for nano-imaging and nano-analysis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13713.	2.8	45
11	Simultaneous imaging of protonated and deprotonated carbonylcyanide p-trifluoromethoxyphenylhydrazone in live cells by Raman microscopy. <i>Chemical Communications</i> , 2014, 50, 1341-1343.	4.1	45
12	High-speed Raman imaging of cellular processes. <i>Current Opinion in Chemical Biology</i> , 2016, 33, 16-24.	6.1	45
13	3D SERS (surface enhanced Raman scattering) imaging of intracellular pathways. <i>Methods</i> , 2014, 68, 348-353.	3.8	39
14	Quantitative Drug Dynamics Visualized by Alkyne-Tagged Plasmonic-Enhanced Raman Microscopy. <i>ACS Nano</i> , 2020, 14, 15032-15041.	14.6	39
15	Photogeneration of membrane potential hyperpolarization and depolarization in non-excitable cells. <i>European Biophysics Journal</i> , 2009, 38, 255-262.	2.2	33
16	Single-Nanoparticle Tracking with Angstrom Localization Precision and Microsecond Time Resolution. <i>Biophysical Journal</i> , 2018, 115, 2413-2427.	0.5	28
17	Automated amplification-free digital RNA detection platform for rapid and sensitive SARS-CoV-2 diagnosis. <i>Communications Biology</i> , 2022, 5, .	4.4	28
18	Analysis of dynamic SERS spectra measured with a nanoparticle during intracellular transportation in 3D. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 114023.	2.2	22

#	ARTICLE	IF	CITATIONS
19	Laser-targeted photofabrication of gold nanoparticles inside cells. Nature Communications, 2014, 5, 5144.	12.8	17
20	Novel Raman-tagged sphingomyelin that closely mimics original raft-forming behavior. Bioorganic and Medicinal Chemistry, 2015, 23, 2989-2994.	3.0	17
21	Multicolor High-Speed Tracking of Single Biomolecules with Silver, Gold, and Silver-Gold Alloy Nanoparticles. ACS Photonics, 2019, 6, 2870-2883.	6.6	17
22	Multiwell Raman plate reader for high-throughput biochemical screening. Scientific Reports, 2021, 11, 15742.	3.3	13
23	Small stepping motion of processive dynein revealed by load-free high-speed single-particle tracking. Scientific Reports, 2020, 10, 1080.	3.3	10
24	Detecting nitrile-containing small molecules by infrared photothermal microscopy. Analyst, The, 2021, 146, 2307-2312.	3.5	6
25	Crystalline chitin hydrolase is a burnt-bridge Brownian motor. Biophysics and Physicobiology, 2020, 17, 51-58.	1.0	5
26	Metallic nanoparticles as SERS agents for biomolecular imaging. Current Pharmaceutical Biotechnology, 2013, 14, 141-9.	1.6	5
27	Label-free monitoring of crystalline chitin hydrolysis by chitinase based on Raman spectroscopy. Analyst, The, 2021, 146, 4087-4094.	3.5	4
28	Dynamic SERS imaging with gold nanoparticles transported in a living cell. Proceedings of SPIE, 2013, , .	0.8	2
29	Alkyne-tag SERS imaging for visualizing small molecule drugs in live cells. , 2020, , .		2
30	Observation of living cells with gold nanoparticles by using surface-enhanced Raman scattering. , 2009, , .		1
31	Dynamic Raman-SERS Imaging of Living Cells by Slit-Scanning Microscopy. AIP Conference Proceedings, 2010, , .	0.4	1
32	2P-325 Formation of gold nanoparticles in living cells by reduction of gold ion solution(The 46th) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	0.1	0
33	Single-cell growth analysis in a mixed cell culture. AIP Conference Proceedings, 2008, , .	0.4	0
34	Metallic Nanoparticles for Enhanced Raman Imaging of Living Cells. The Review of Laser Engineering, 2010, 38, 427-432.	0.0	0
35	Slit-scanning confocal Raman microscopy: Practical applications in live cell imaging. , 2011, , .		0
36	Raman imaging of alkyne as a small tag for biological molecules. Proceedings of SPIE, 2012, , .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Surface enhanced Raman scattering (SERS) imaging of intracellular transportation in 3D. , 2013, , .		0
38	Raman spectroscopic detection of bio-active small molecules using alkyne tag. , 2015, , .		0
39	Alkyne-tag Raman imaging of bio-active small molecules in live cells. , 2015, , .		0
40	Surface-enhanced Raman scattering (SERS) imaging of alkyne-tagged small molecule drug in live cells with endocytosed gold nanoparticles. Proceedings of SPIE, 2017, , .	0.8	0
41	Visualizing Bioactive Small Molecules by Alkyne Tagging and Slit-Scanning Raman Microscopy. Methods in Molecular Biology, 2019, 1888, 99-114.	0.9	0
42	Detecting vibrational tags by infrared microscopy. , 2020, , .		0
43	High-speed tracking of single biomolecules with angstrom localization precision and multicolor imaging capability. , 2021, , .		0
44	Watching bioactive small molecules in live cells by alkyne-tag Raman imaging. , 2013, , .		0
45	3D Dynamic SERS Imaging of Intracellular Transport Pathways. , 2013, , .		0
46	Multicolor tracking of single biomolecules with metallic nanoparticles at microsecond time resolution. , 2021, , .		0
47	High-Throughput Screening Using Raman Spectroscopy With Multi-Focal Spots. , 2020, , .		0
48	Scattering imaging of biomolecules with metallic nanoparticles: localization precision, imaging speed, and multicolor imaging capability. Optical Review, 0, , .	2.0	0