Cees Otto

List of Publications by Year in descending order

28 papers	792 citations	623734 14 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1489 citing authors

#	Article	IF	Citations
1	Raman microscopy for cellular investigations â€" From single cell imaging to drug carrier uptake visualization. Advanced Drug Delivery Reviews, 2015, 89, 71-90.	13.7	129
2	Label-Free Prostate Cancer Detection by Characterization of Extracellular Vesicles Using Raman Spectroscopy. Analytical Chemistry, 2018, 90, 11290-11296.	6.5	82
3	Classifying Raman spectra of extracellular vesicles based on convolutional neural networks for prostate cancer detection. Journal of Raman Spectroscopy, 2020, 51, 293-300.	2.5	79
4	PDMS Curing Inhibition on 3D-Printed Molds: Why? Also, How to Avoid It?. Analytical Chemistry, 2021, 93, 7180-7187.	6.5	78
5	High-Density Periodic Arrays of Self-Aligned Subwavelength Nanopyramids for Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 21953-21959.	3.1	55
6	Immuno-capture of extracellular vesicles for individual multi-modal characterization using AFM, SEM and Raman spectroscopy. Lab on A Chip, 2019, 19, 2526-2536.	6.0	48
7	Hyperspectral Raman imaging of neuritic plaques and neurofibrillary tangles in brain tissue from Alzheimerâ€™s disease patients. Scientific Reports, 2017, 7, 15603.	3.3	47
8	Resonance Raman Imaging of the NADPH Oxidase Subunit Cytochromeb558in Single Neutrophilic Granulocytes. Journal of the American Chemical Society, 2003, 125, 12112-12113.	13.7	39
9	Absence of amyloid-beta in lenses of Alzheimer patients: A confocal Raman microspectroscopic study. Experimental Eye Research, 2014, 119, 44-53.	2.6	38
10	Labelâ€free identification and chemical characterisation of single extracellular vesicles and lipoproteins by synchronous Rayleigh and Raman scattering. Journal of Extracellular Vesicles, 2020, 9, 1730134.	12.2	37
11	Rapid identification of heterogeneous mixture components with hyperspectral coherent antiâ€Stokes Raman scattering imaging. Journal of Raman Spectroscopy, 2012, 43, 651-655.	2.5	32
12	Synchronized Rayleigh and Raman scattering for the characterization of single optically trapped extracellular vesicles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102109.	3.3	21
13	Algorithm-improved high-speed and non-invasive confocal Raman imaging of 2D materials. National Science Review, 2020, 7, 620-628.	9.5	20
14	A microfluidic chip for high resolution Raman imaging of biological cells. RSC Advances, 2015, 5, 49350-49355.	3.6	14
15	Raman and Fluorescence Spectral Imaging of Live Breast Cancer Cells Incubated with PEGylated Gold Nanorods. Applied Spectroscopy, 2012, 66, 66-74.	2.2	11
16	Protein profiles in cortical and nuclear regions of aged human donor lenses: A confocal Raman microspectroscopic and imaging study. Experimental Eye Research, 2016, 145, 100-109.	2.6	11
17	Raman microâ€spectroscopy for quantitative thickness measurement of nanometer thin polymer films. Journal of Raman Spectroscopy, 2015, 46, 1230-1234.	2.5	10
18	In-situ observation of reactive wettability alteration using algorithm-improved confocal Raman microscopy. Journal of Colloid and Interface Science, 2021, 584, 551-560.	9.4	10

#	Article	IF	Citations
19	Combined microfluidicsâ€“confocal Raman microscopy platform for studying enhanced oil recovery mechanisms. Journal of Raman Spectroscopy, 2019, 50, 996-1007.	2.5	7
20	Dynamics of oligo(phenylene-ethynylene) self-assembled monolayers on Au(1 1 1). Chemical Physics Letters, 2014, 614, 45-48.	2.6	5
21	Evaluation of the changes in human milk lipid composition and conformational state with Raman spectroscopy during a breastfeed. Biomedical Optics Express, 2021, 12, 3934.	2.9	4
22	Organosilicon uptake by biological membranes. Communications Biology, 2021, 4, 704.	4.4	4
23	Patterning: Strategies for Patterning Biomolecules with Dip-Pen Nanolithography (Small 8/2011). Small, 2011, 7, 982-982.	10.0	3
24	Hybrid imaging of fluorescently labeled cancer drugs and label-free four-wave mixing microscopy of cancer cells and tissues. Journal of Biomedical Optics, 2015, 20, 086006.	2.6	3
25	Extracellular Vesicles: A New Source of Biomarkers in Pediatric Solid Tumors? A Systematic Review. Frontiers in Oncology, 2022, 12, .	2.8	3
26	Development and applications of nonlinear optical spectroscopy: 10th ECONOS/30th ECW meeting in Enschede, The Netherlands. Journal of Raman Spectroscopy, 2012, 43, 593-594.	2.5	1
27	Ultrasensitive Detection and In Situ Imaging of Analytes on Graphene Oxide Analogues Using Enhanced Raman Spectroscopy. Analytical Chemistry, 2021, 93, 12966-12972.	6.5	1
28	Dynamic Process Measurements in the Complex Plane with Vibrational Phase Contrast CARS. , 2010, , .		0