

# Cees Otto

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Extracellular Vesicles: A New Source of Biomarkers in Pediatric Solid Tumors? A Systematic Review. <i>Frontiers in Oncology</i> , 2022, 12, .	2.8	3
2	In-situ observation of reactive wettability alteration using algorithm-improved confocal Raman microscopy. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 551-560.	9.4	10
3	PDMS Curing Inhibition on 3D-Printed Molds: Why? Also, How to Avoid It?. <i>Analytical Chemistry</i> , 2021, 93, 7180-7187.	6.5	78
4	Evaluation of the changes in human milk lipid composition and conformational state with Raman spectroscopy during a breastfeed. <i>Biomedical Optics Express</i> , 2021, 12, 3934.	2.9	4
5	Organosilicon uptake by biological membranes. <i>Communications Biology</i> , 2021, 4, 704.	4.4	4
6	Ultrasensitive Detection and In Situ Imaging of Analytes on Graphene Oxide Analogues Using Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 12966-12972.	6.5	1
7	Synchronized Rayleigh and Raman scattering for the characterization of single optically trapped extracellular vesicles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102109.	3.3	21
8	Classifying Raman spectra of extracellular vesicles based on convolutional neural networks for prostate cancer detection. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 293-300.	2.5	79
9	Algorithm-improved high-speed and non-invasive confocal Raman imaging of 2D materials. <i>National Science Review</i> , 2020, 7, 620-628.	9.5	20
10	Label-free identification and chemical characterisation of single extracellular vesicles and lipoproteins by synchronous Rayleigh and Raman scattering. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1730134.	12.2	37
11	Immuno-capture of extracellular vesicles for individual multi-modal characterization using AFM, SEM and Raman spectroscopy. <i>Lab on A Chip</i> , 2019, 19, 2526-2536.	6.0	48
12	Combined microfluidics and confocal Raman microscopy platform for studying enhanced oil recovery mechanisms. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 996-1007.	2.5	7
13	Label-Free Prostate Cancer Detection by Characterization of Extracellular Vesicles Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 11290-11296.	6.5	82
14	Hyperspectral Raman imaging of neuritic plaques and neurofibrillary tangles in brain tissue from Alzheimer's disease patients. <i>Scientific Reports</i> , 2017, 7, 15603.	3.3	47
15	Protein profiles in cortical and nuclear regions of aged human donor lenses: A confocal Raman microspectroscopic and imaging study. <i>Experimental Eye Research</i> , 2016, 145, 100-109.	2.6	11
16	A microfluidic chip for high resolution Raman imaging of biological cells. <i>RSC Advances</i> , 2015, 5, 49350-49355.	3.6	14
17	Hybrid imaging of fluorescently labeled cancer drugs and label-free four-wave mixing microscopy of cancer cells and tissues. <i>Journal of Biomedical Optics</i> , 2015, 20, 086006.	2.6	3
18	Raman microscopy for cellular investigations – From single cell imaging to drug carrier uptake visualization. <i>Advanced Drug Delivery Reviews</i> , 2015, 89, 71-90.	13.7	129

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19	Raman microspectroscopy for quantitative thickness measurement of nanometer thin polymer films. Journal of Raman Spectroscopy, 2015, 46, 1230-1234.	2.5	10
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	Absence of amyloid-beta in lenses of Alzheimer patients: A confocal Raman microspectroscopic study. Experimental Eye Research, 2014, 119, 44-53.	2.6	38
22	Rapid identification of heterogeneous mixture components with hyperspectral coherent anti-Stokes Raman scattering imaging. Journal of Raman Spectroscopy, 2012, 43, 651-655.	2.5	32
23	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
24	Raman and Fluorescence Spectral Imaging of Live Breast Cancer Cells Incubated with PEGylated Gold Nanorods. Applied Spectroscopy, 2012, 66, 66-74.	2.2	11
25	Patterning: Strategies for Patterning Biomolecules with Dip-Pen Nanolithography (Small 8/2011). Small, 2011, 7, 982-982.	10.0	3
26	Dynamic Process Measurements in the Complex Plane with Vibrational Phase Contrast CARS. , 2010, , .		0
27	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
28	Resonance Raman Imaging of the NADPH Oxidase Subunit Cytochrome b558 in Single Neutrophilic Granulocytes. Journal of the American Chemical Society, 2003, 125, 12112-12113.	13.7	39