

# Julian Moger

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

5,219  
citations

147566

31  
h-index

143772

57  
g-index

65  
all docs

65  
docs citations

65  
times ranked

7215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined effects of exposure to engineered silver nanoparticles and the water-soluble fraction of crude oil in the marine copepod <i>Calanus finmarchicus</i> . <i>Aquatic Toxicology</i> , 2020, 227, 105582.	1.9	5
2	Microstructure and antibacterial efficacy of graphene oxide nanocomposite fibres. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 239-252.	5.0	67
3	Ultra-low timing jitter, Ti:Al <sub>2</sub> O <sub>3</sub> synchronization for stimulated Raman scattering and pump-probe microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	0
4	Clinical applications of infrared and Raman spectroscopy: state of play and future challenges. <i>Analyst</i> , 2018, 143, 1735-1757.	1.7	163
5	Nanoparticulate peptide delivery exclusively to the brain produces tolerance free analgesia. <i>Journal of Controlled Release</i> , 2018, 270, 135-144.	4.8	51
6	Development and applications of nonlinear optical spectroscopy: 16th ECONOS/36th ECW meeting in Jena (Germany). <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1094-1095.	1.2	1
7	In situ chemically specific mapping of agrochemical seed coatings using stimulated Raman scattering microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201800108.	1.1	7
8	Monitoring agrochemical diffusion through cuticle wax with coherent Raman scattering. , 2018, , .		0
9	Limiting the level of tertiary amines on polyamines leads to biocompatible nucleic acid vectors. <i>International Journal of Pharmaceutics</i> , 2017, 526, 106-124.	2.6	15
10	Imaging microscopic distribution of antifungal agents in dandruff treatments with stimulated Raman scattering microscopy. <i>Journal of Biomedical Optics</i> , 2017, 22, 066003.	1.4	21
11	Ecotoxicological assessment of nanoparticle-containing acrylic copolymer dispersions in fairy shrimp and zebrafish embryos. <i>Environmental Science: Nano</i> , 2017, 4, 1981-1997.	2.2	15
12	Development and applications of nonlinear optical spectroscopy: 15th ECONOS/35th ECW meeting in Gothenburg (Sweden). <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1019-1019.	1.2	1
13	4-dimensional functional profiling in the convulsant-treated larval zebrafish brain. <i>Scientific Reports</i> , 2017, 7, 6581.	1.6	39
14	Visualization of active ingredients uptake in seed coats with stimulated Raman scattering microscopy. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
15	Making microscopy count: quantitative light microscopy of dynamic processes in living plants. <i>Journal of Microscopy</i> , 2016, 263, 181-191.	0.8	4
16	Advances in nonlinear optical spectroscopies: a historical perspective of developments and applications presented at ECONOS. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1111-1123.	1.2	5
17	Development and applications of nonlinear optical spectroscopy: 14th ECONOS/34th ECW meeting in Leuven (Belgium). <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1109-1110.	1.2	1
18	Effect of Microplastic on the Gills of the Shore Crab <i>Carcinus maenas</i> . <i>Environmental Science &amp; Technology</i> , 2016, 50, 5364-5369.	4.6	228

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19	Lomustine Nanoparticles Enable Both Bone Marrow Sparing and High Brain Drug Levels – A Strategy for Brain Cancer Treatments. <i>Pharmaceutical Research</i> , 2016, 33, 1289-1303.	1.7	29
20	Development and applications of nonlinear optical spectroscopy: 13th ECONOS/33rd ECW meeting in Dole (France). <i>Journal of Raman Spectroscopy</i> , 2015, 46, 677-678.	1.2	1
21	Chitosan amphiphile coating of peptide nanofibres reduces liver uptake and delivers the peptide to the brain on intravenous administration. <i>Journal of Controlled Release</i> , 2015, 197, 87-96.	4.8	31
22	Oral Particle Uptake and Organ Targeting Drives the Activity of Amphotericin B Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 420-431.	2.3	91
23	Molecular diffusion in the human nail measured by stimulated Raman scattering microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7725-7730.	3.3	40
24	Monitoring lipid accumulation in the green microalga <i>Botryococcus braunii</i> with frequency-modulated stimulated Raman scattering. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
25	Tracing engineered nanomaterials in biological tissues using coherent anti-Stokes Raman scattering (CARS) microscopy – A critical review. <i>Nanotoxicology</i> , 2015, 9, 928-939.	1.6	21
26	In Vivo Chemical and Structural Analysis of Plant Cuticular Waxes Using Stimulated Raman Scattering Microscopy. <i>Plant Physiology</i> , 2015, 168, 18-28.	2.3	41
27	Drug delivery into microneedle-porated nails from nanoparticle reservoirs. <i>Journal of Controlled Release</i> , 2015, 220, 98-106.	4.8	38
28	Uptake and elimination kinetics of silver nanoparticles and silver nitrate by <i>Raphidocelis subcapitata</i> : The influence of silver behaviour in solution. <i>Nanotoxicology</i> , 2015, 9, 686-695.	1.6	47
29	An update: improvements in imaging perfluorocarbon-mounted plant leaves with implications for studies of plant pathology, physiology, development and cell biology. <i>Frontiers in Plant Science</i> , 2014, 5, 140.	1.7	53
30	Development and applications of nonlinear optical spectroscopy: 11th ECONOS/32nd ECW meeting in Exeter (UK). <i>Journal of Raman Spectroscopy</i> , 2014, 45, 487-488.	1.2	1
31	Uptake and Retention of Microplastics by the Shore Crab <i>Carcinus maenas</i> . <i>Environmental Science &amp; Technology</i> , 2014, 48, 8823-8830.	4.6	563
32	Evaluation of drug delivery to intact and porated skin by coherent Raman scattering and fluorescence microscopies. <i>Journal of Controlled Release</i> , 2014, 174, 37-42.	4.8	70
33	Nanofiber-Based Delivery of Therapeutic Peptides to the Brain. <i>ACS Nano</i> , 2013, 7, 1016-1026.	7.3	77
34	Effects of particle size and coating on nanoscale Ag and TiO <sub>2</sub> exposure in zebrafish ( <i>Danio rerio</i> ) embryos. <i>Nanotoxicology</i> , 2013, 7, 1315-1324.	1.6	98
35	Label-free Chemically Specific Imaging in Planta with Stimulated Raman Scattering Microscopy. <i>Analytical Chemistry</i> , 2013, 85, 5055-5063.	3.2	67
36	Microplastic Ingestion by Zooplankton. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6646-6655.	4.6	1,921

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37	Photo-induced doping and strain in exfoliated graphene. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	18
38	Chemically specific imaging and in situ chemical analysis of articular cartilage with stimulated Raman scattering. <i>Journal of Biophotonics</i> , 2013, 6, 803-814.	1.1	29
39	Solute carrier family 3 member 2 (Slc3a2) controls yolk syncytial layer (YSL) formation by regulating microtubule networks in the zebrafish embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3371-3376.	3.3	49
40	Tracing Bioavailability of ZnO Nanoparticles Using Stable Isotope Labeling. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12137-12145.	4.6	71
41	Delivery of Peptides to the Blood and Brain after Oral Uptake of Quaternary Ammonium Palmitoyl Glycol Chitosan Nanoparticles. <i>Molecular Pharmaceutics</i> , 2012, 9, 1764-1774.	2.3	77
42	Imaging cortical vasculature with stimulated Raman scattering and two-photon photothermal lensing microscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 668-674.	1.2	33
43	A Bayesian Whittaker-Henderson smoother for general-purpose and sample-based spectral baseline estimation and peak extraction. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1299-1305.	1.2	12
44	Label-free imaging of polymeric nanomedicines using coherent anti-stokes Raman scattering microscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 681-688.	1.2	42
45	Exploring uptake mechanisms of oral nanomedicines using multimodal nonlinear optical microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 458-468.	1.1	62
46	Imaging the uptake of gold nanoshells in live cells using plasmon resonance enhanced four wave mixing microscopy. <i>Optics Express</i> , 2011, 19, 17563.	1.7	31
47	Sublethal toxicity of nano-titanium dioxide and carbon nanotubes in a sediment dwelling marine polychaete. <i>Environmental Pollution</i> , 2010, 158, 1748-1755.	3.7	177
48	The structure and mechanical properties of collecting lymphatic vessels: an investigation using multimodal nonlinear microscopy. <i>Journal of Anatomy</i> , 2010, 216, 547-555.	0.9	41
49	Assessment of cultured fish hepatocytes for studying cellular uptake and (eco)toxicity of nanoparticles. <i>Environmental Chemistry</i> , 2010, 7, 36.	0.7	24
50	Bioavailability of Nanoscale Metal Oxides TiO <sub>2</sub> , CeO <sub>2</sub> , and ZnO to Fish. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1144-1151.	4.6	251
51	Collagen and mature elastic fibre organisation as a function of depth in the human cornea and limbus. <i>Journal of Structural Biology</i> , 2010, 169, 424-430.	1.3	60
52	Spectroscopy on the wing: Naturally inspired SERS substrates for biochemical analysis. <i>Journal of Biophotonics</i> , 2009, 2, 157-166.	1.1	62
53	The elastin network: its relationship with collagen and cells in articular cartilage as visualized by multiphoton microscopy. <i>Journal of Anatomy</i> , 2009, 215, 682-691.	0.9	80
54	Imaging metal oxide nanoparticles in biological structures with CARS microscopy. <i>Optics Express</i> , 2008, 16, 3408.	1.7	89

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55	Collagen fiber arrangement in normal and diseased cartilage studied by polarization sensitive nonlinear microscopy. Journal of Biomedical Optics, 2008, 13, 044020.	1.4	104
56	Measurement of sinusoidal flow oscillations in a glass capillary tube using phase-resolved DOCT. , 2008, , .		0
57	Second-harmonic and two-photon imaging and polarimetry of articular cartilage. , 2007, , .		0
58	The Application of Fluorescence Lifetime Readouts in High-Throughput Screening. Journal of Biomolecular Screening, 2006, 11, 765-772.	2.6	20
59	The effect of multiple scattering on velocity profiles measured using Doppler OCT. Journal Physics D: Applied Physics, 2005, 38, 2597-2605.	1.3	26
60	Measuring red blood cell flow dynamics in a glass capillary using Doppler optical coherence tomography and Doppler amplitude optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 982.	1.4	41
61	Measuring blood flow dynamics using DOCT and Doppler amplitude optical coherence tomography (DAOCT). , 2003, , .		1
62	Development of a phase-resolved Doppler optical coherence tomography system for use in cutaneous microcirculation research. , 2002, , .		0