

# Julian Moger

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

5,219  
citations

147801

31  
h-index

144013

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. | 4.0  | 5         |
| 2  | Microstructure and antibacterial efficacy of graphene oxide nanocomposite fibres. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 239-252.  | 9.4  | 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.                       | 2.6  | 0         |
| 4  | Clinical applications of infrared and Raman spectroscopy: state of play and future challenges. <i>Analyst</i> , 2018, 143, 1735-1757.  | 3.5  | 163       |
| 5  | Nanoparticulate peptide delivery exclusively to the brain produces tolerance free analgesia. <i>Journal of Controlled Release</i> , 2018, 270, 135-144.  | 9.9  | 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.                                    | 2.5  | 1         |
| 7  | In situ chemically specific mapping of agrochemical seed coatings using stimulated Raman scattering microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201800108.   | 2.3  | 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.   | 5.2  | 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.                              | 2.6  | 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.                           | 4.3  | 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.                               | 2.5  | 1         |
| 13 | 4-dimensional functional profiling in the convulsant-treated larval zebrafish brain. <i>Scientific Reports</i> , 2017, 7, 6581.  | 3.3  | 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.   | 1.8  | 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.                       | 2.5  | 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.                                  | 2.5  | 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.  | 10.0 | 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.                                    | 3.5  | 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.  | 2.5  | 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.                  | 9.9  | 31        |
| 22 | Oral Particle Uptake and Organ Targeting Drives the Activity of Amphotericin B Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 420-431.   | 4.6  | 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.              | 7.1  | 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.                                   | 3.0  | 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.   | 4.8  | 41        |
| 27 | Drug delivery into microneedle-porated nails from nanoparticle reservoirs. <i>Journal of Controlled Release</i> , 2015, 220, 98-106.  | 9.9  | 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.              | 3.0  | 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. | 3.6  | 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.  | 2.5  | 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.   | 10.0 | 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.   | 9.9  | 70        |
| 33 | Nanofiber-Based Delivery of Therapeutic Peptides to the Brain. <i>ACS Nano</i> , 2013, 7, 1016-1026.  | 14.6 | 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.   | 3.0  | 98        |
| 35 | Label-free Chemically Specific Imaging in Planta with Stimulated Raman Scattering Microscopy. <i>Analytical Chemistry</i> , 2013, 85, 5055-5063.  | 6.5  | 67        |
| 36 | Microplastic Ingestion by Zooplankton. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6646-6655.   | 10.0 | 1,921     |

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|----|--|------|-----------|
| 37 | Photo-induced doping and strain in exfoliated graphene. <i>Applied Physics Letters</i> , 2013, 103, .  | 3.3  | 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.  | 2.3  | 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. | 7.1  | 49        |
| 40 | Tracing Bioavailability of ZnO Nanoparticles Using Stable Isotope Labeling. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12137-12145.   | 10.0 | 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.   | 4.6  | 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.  | 2.5  | 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.   | 2.5  | 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.  | 2.5  | 42        |
| 45 | Exploring uptake mechanisms of oral nanomedicines using multimodal nonlinear optical microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 458-468.  | 2.3  | 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.   | 3.4  | 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.  | 7.5  | 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.   | 1.5  | 41        |
| 49 | Assessment of cultured fish hepatocytes for studying cellular uptake and (eco)toxicity of nanoparticles. <i>Environmental Chemistry</i> , 2010, 7, 36.   | 1.5  | 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.  | 10.0 | 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.   | 2.8  | 60        |
| 52 | Spectroscopy on the wing: Naturally inspired SERS substrates for biochemical analysis. <i>Journal of Biophotonics</i> , 2009, 2, 157-166.  | 2.3  | 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.  | 1.5  | 80        |
| 54 | Imaging metal oxide nanoparticles in biological structures with CARS microscopy. <i>Optics Express</i> , 2008, 16, 3408.   | 3.4  | 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.                                    | 2.6 | 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.  | 2.8 | 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. | 2.6 | 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         |