

# Lukas Zeininger

## List of Publications by Year in descending order

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29  
papers

593  
citations

567281

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h-index

610901

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all docs

31  
docs citations

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times ranked

566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Determination and Comparison of the Surface Binding of Phosphonic Acid, Carboxylic Acid, and Catechol Ligands on TiO <sub>2</sub> Nanoparticles. <i>Chemistry - A European Journal</i> , 2016, 22, 13506-13512.	3.3	63
2	Rapid Detection of <i>Salmonella enterica</i> via Directional Emission from Carbohydrate-Functionalized Dynamic Double Emulsions. <i>ACS Central Science</i> , 2019, 5, 789-795.	11.3	48
3	Janus Graphene: Scalable Self-Assembly and Solution-Phase Orthogonal Functionalization. <i>Advanced Materials</i> , 2019, 31, e1900438.	21.0	42
4	Responsive Janus and Cerberus emulsions via temperature-induced phase separation in aqueous polymer mixtures. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 88-95.	9.4	41
5	Emulsion Agglutination Assay for the Detection of Protein-Protein Interactions: An Optical Sensor for Zika Virus. <i>ACS Sensors</i> , 2019, 4, 180-184.	7.8	36
6	Waveguide-based chemo- and biosensors: complex emulsions for the detection of caffeine and proteins. <i>Lab on A Chip</i> , 2019, 19, 1327-1331.	6.0	34
7	Temperature sensitive water-in-water emulsions. <i>Chemical Communications</i> , 2020, 56, 6814-6817.	4.1	26
8	Morphology-Dependent Luminescence in Complex Liquid Colloids. <i>Journal of the American Chemical Society</i> , 2019, 141, 3802-3806.	13.7	24
9	Cascade Kinetics in an Enzyme-Loaded Aqueous Two-Phase System. <i>Langmuir</i> , 2020, 36, 1401-1408.	3.5	24
10	Synthesis of Polymer Janus Particles with Tunable Wettability Profiles as Potent Solid Surfactants to Promote Gas Delivery in Aqueous Reaction Media. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32510-32519.	8.0	24
11	Hydrogen bonding mediated orthogonal and reversible self-assembly of porphyrin sensitizers onto TiO <sub>2</sub> nanoparticles. <i>Chemical Communications</i> , 2016, 52, 8842-8845.	4.1	21
12	Very Facile Polarity Umpolung and Noncovalent Functionalization of Inorganic Nanoparticles: A Tool Kit for Supramolecular Materials Chemistry. <i>Chemistry - A European Journal</i> , 2015, 21, 14030-14035.	3.3	19
13	Manufacturing Nanoparticles with Orthogonally Adjustable Dispersibility in Hydrocarbons, Fluorocarbons, and Water. <i>ChemistryOpen</i> , 2018, 7, 282-287.	1.9	18
14	Resistive and Capacitive $\beta$ -Ray Dosimeters Based On Triggered Depolymerization in Carbon Nanotube Composites. <i>ACS Sensors</i> , 2018, 3, 976-983.	7.8	17
15	Actuation of Janus Emulsion Droplets via Optothermally Induced Marangoni Forces. <i>Physical Review Letters</i> , 2021, 127, 144503.	7.8	17
16	A Supramolecular Approach for the Facile Solubilization and Separation of Covalently Functionalized Single-Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2014, 20, 2537-2541.	3.3	16
17	Janus Emulsion Solar Concentrators as Photocatalytic Droplet Microreactors. <i>Advanced Optical Materials</i> , 2021, 9, 2101139.	7.3	16
18	Structurally Anisotropic Janus Particles with Tunable Amphiphilicity via Polymerization of Dynamic Complex Emulsions. <i>Macromolecules</i> , 2021, 54, 981-987.	4.8	14

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19	Responsive drop method: quantitative <i>in situ</i> determination of surfactant effectiveness using reconfigurable Janus emulsions. <i>Soft Matter</i> , 2020, 16, 10419-10424.	2.7	14
20	Reversible morphology-resolved chemotactic actuation and motion of Janus emulsion droplets. <i>Nature Communications</i> , 2022, 13, 2562.	12.8	14
21	Facile Monitoring of Water Hardness Levels Using Responsive Complex Emulsions. <i>Analytical Chemistry</i> , 2021, 93, 9390-9396.	6.5	13
22	Highly Efficient Encapsulation and Phase Separation of Apolar Molecules by Magnetic Shell-by-Shell-Coated Nanocarriers in Water. <i>Chemistry - A European Journal</i> , 2018, 24, 13589-13595.	3.3	11
23	Crown Ether-Functionalized Complex Emulsions as an Artificial Adaptive Material Platform. <i>Advanced Functional Materials</i> , 2022, 32, 2107688.	14.9	11
24	Grafting Perylenes to ZnO Nanoparticles. <i>Chemistry - A European Journal</i> , 2014, 20, 2529-2536.	3.3	10
25	Surface Modification of ZnO Nanorods with Hamilton Receptors. <i>International Journal of Molecular Sciences</i> , 2015, 16, 8186-8200.	4.1	7
26	Hamilton Receptor-Mediated Self-Assembly of Orthogonally Functionalized Au and TiO <sub>2</sub> Nanoparticles. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900015.	1.6	5
27	Cascade communication in disordered networks of enzyme-loaded microdroplets. <i>Chemical Communications</i> , 2021, 57, 1631-1634.	4.1	5
28	Immobilization of Gold-Carbon Catalysts Onto Perfluorocarbon Emulsion Droplets to Promote Oxygen Delivery in Aqueous Phase D-Glucose Oxidation. <i>ChemCatChem</i> , 2021, 13, 196-201.	3.7	3
29	Manufacturing Nanoparticles with Orthogonally Adjustable Dispersibility in Hydrocarbons, Fluorocarbons, and Water. <i>ChemistryOpen</i> , 2018, 7, 277-277.	1.9	0