

# Wiktor Lewandowski

## List of Publications by Citations

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35  
papers

763  
citations

17  
h-index

27  
g-index

38  
ext. papers

898  
ext. citations

8.7  
avg, IF

4.04  
L-index

#	Paper	IF	Citations
35	Dynamically self-assembled silver nanoparticles as a thermally tunable metamaterial. <i>Nature Communications</i> , <b>2015</b> , 6, 6590	17.4	127
34	Liquid-crystalline phases made of gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5167-9	16.4	86
33	Claisen rearrangement of graphite oxide: a route to covalently functionalized graphenes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8848-52	16.4	77
32	Metal nanoparticles with liquid-crystalline ligands: controlling nanoparticle superlattice structure and properties. <i>ChemPhysChem</i> , <b>2014</b> , 15, 1283-95	3.2	41
31	Simple and disposable potentiometric sensors based on graphene or multi-walled carbon nanotubes--carbon-plastic potentiometric sensors. <i>Analyst, The</i> , <b>2013</b> , 138, 2363-71	5	39
30	Critical assessment of graphene as ion-to-electron transducer for all-solid-state potentiometric sensors. <i>Talanta</i> , <b>2012</b> , 97, 414-9	6.2	31
29	Shaping Liquid Crystals with Gold Nanoparticles: Helical Assemblies with Tunable and Hierarchical Structures Via Thin-Film Cooperative Interactions. <i>Advanced Materials</i> , <b>2020</b> , 32, e1904581	24	29
28	The contribution of microbial mats to the arsenic geochemistry of an ancient gold mine. <i>Environmental Pollution</i> , <b>2012</b> , 162, 190-201	9.3	27
27	Control of gold nanoparticle superlattice properties via mesogenic ligand architecture. <i>Langmuir</i> , <b>2013</b> , 29, 3404-10	4	27
26	Smectic mesophases of functionalized silver and gold nanoparticles with anisotropic plasmonic properties. <i>Chemical Communications</i> , <b>2013</b> , 49, 7845-7	5.8	27
25	Enhancing anti-tumor efficacy of Doxorubicin by non-covalent conjugation to gold nanoparticles - in vitro studies on feline fibrosarcoma cell lines. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124955	3.7	27
24	Phototunable liquid-crystalline phases made of nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13725-8	16.4	21
23	Claisen Rearrangement of Graphite Oxide: A Route to Covalently Functionalized Graphenes. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9010-9014	3.6	21
22	Doxorubicin Conjugated to Glutathione Stabilized Gold Nanoparticles (Au-GSH-Dox) as an Effective Therapeutic Agent for Feline Injection-Site Sarcomas-Chick Embryo Chorioallantoic Membrane Study. <i>Molecules</i> , <b>2017</b> , 22,	4.8	19
21	Non-covalently functionalized graphene for the potentiometric sensing of zinc ions. <i>Analyst, The</i> , <b>2012</b> , 137, 1895-8	5	18
20	Reversible switching of structural and plasmonic properties of liquid-crystalline gold nanoparticle assemblies. <i>Nanoscale</i> , <b>2016</b> , 8, 2656-63	7.7	17
19	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , <b>2020</b> , 14, 12918-12928	16.7	17

18	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905591	24	15
17	Self-Organized, One-Dimensional Periodic Structures in a Gold Nanoparticle-Doped Nematic Liquid Crystal Composite. <i>ACS Nano</i> , <b>2019</b> , 13, 10154-10160	16.7	13
16	Liquid-Crystalline Phases Made of Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5269-5271	3.6	13
15	Dynamic self-assembly of nanoparticles using thermotropic liquid crystals. <i>Liquid Crystals</i> , <b>2016</b> , 43, 2391-2409	13	13
14	Robust Synthesis of Gold Nanotriangles and their Self-Assembly into Vertical Arrays. <i>ChemistryOpen</i> , <b>2019</b> , 8, 705-711	2.3	10
13	Achieving Highly Stable, Reversibly Reconfigurable Plasmonic Nanocrystal Superlattices through the Use of Semifluorinated Surface Ligands. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 8201-8210	9.6	9
12	Universal Method for Producing Reduced Graphene Oxide/Gold Nanoparticles Composites with Controlled Density of Grafting and Long-Term Stability. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6
11	Self-Assembled PbS/CdS Quantum Dot Films with Switchable Symmetry and Emission. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 7855-7863	9.6	5
10	Modifying Thermal Switchability of Liquid Crystalline Nanoparticles by Alkyl Ligands Variation. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	4
9	Phototunable Liquid-Crystalline Phases Made of Nanoparticles. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13945-13948	3.48	4
8	In Situ Tracking of Colloidally Stable and Ordered Assemblies of Gold Nanorods. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18814-18825	16.4	4
7	Liquid Crystal Templated Chiral Plasmonic Films with Dynamic Tunability and Moldability. <i>Advanced Functional Materials</i> , 2111280	15.6	2
6	Understanding and Controlling the Crystallization Process in Reconfigurable Plasmonic Superlattices. <i>ACS Nano</i> , <b>2021</b> , 15, 4916-4926	16.7	2
5	Energy Transfer from Photosystem I to Thermally Reduced Graphene Oxide. <i>Materials</i> , <b>2018</b> , 11,	3.5	2
4	Size-Dependent Thermo- and Photoresponsive Plasmonic Properties of Liquid Crystalline Gold Nanoparticles. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
3	STEM Tomography of Au Helical Assemblies. <i>Microscopy and Microanalysis</i> , <b>2021</b> , 1-5	0.5	1
2	Thermomechanically controlled fluorescence anisotropy in thin films of InP/ZnS quantum dots. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 5387-5392	5.1	1
1	Liquid crystals from mesogens containing gold nanoparticles. <i>Series in Soft Condensed Matter</i> , <b>2016</b> , 571-602		

