

Wiktor Lewandowski

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,044
citations

361296

20
h-index

414303

32
g-index

38
all docs

38
docs citations

38
times ranked

1429
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamically self-assembled silver nanoparticles as a thermally tunable metamaterial. <i>Nature Communications</i> , 2015, 6, 6590.	5.8	154
2	Liquid-Crystalline Phases Made of Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5167-5169.	7.2	96
3	Claisen Rearrangement of Graphite Oxide: A Route to Covalently Functionalized Graphenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8848-8852.	7.2	87
4	Shaping Liquid Crystals with Gold Nanoparticles: Helical Assemblies with Tunable and Hierarchical Structures Via Thin-Film Cooperative Interactions. <i>Advanced Materials</i> , 2020, 32, e1904581.	11.1	59
5	Metal Nanoparticles with Liquid-Crystalline Ligands: Controlling Nanoparticle Superlattice Structure and Properties. <i>ChemPhysChem</i> , 2014, 15, 1283-1295.	1.0	52
6	Simple and disposable potentiometric sensors based on graphene or multi-walled carbon nanotubes - carbon-plastic potentiometric sensors. <i>Analyst, The</i> , 2013, 138, 2363.	1.7	46
7	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , 2020, 14, 12918-12928.	7.3	43
8	Critical assessment of graphene as ion-to-electron transducer for all-solid-state potentiometric sensors. <i>Talanta</i> , 2012, 97, 414-419.	2.9	36
9	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> , 2015, 10, e0124955.	1.1	35
10	Control of Gold Nanoparticle Superlattice Properties via Mesogenic Ligand Architecture. <i>Langmuir</i> , 2013, 29, 3404-3410.	1.6	32
11	The contribution of microbial mats to the arsenic geochemistry of an ancient gold mine. <i>Environmental Pollution</i> , 2012, 162, 190-201.	3.7	31
12	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , 2020, 32, e1905591.	11.1	31
13	Smectic mesophases of functionalized silver and gold nanoparticles with anisotropic plasmonic properties. <i>Chemical Communications</i> , 2013, 49, 7845.	2.2	29
14	Self-Organized, One-Dimensional Periodic Structures in a Gold Nanoparticle-Doped Nematic Liquid Crystal Composite. <i>ACS Nano</i> , 2019, 13, 10154-10160.	7.3	28
15	Phototunable Liquid-Crystalline Phases Made of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13725-13728.	7.2	27
16	Reversible switching of structural and plasmonic properties of liquid-crystalline gold nanoparticle assemblies. <i>Nanoscale</i> , 2016, 8, 2656-2663.	2.8	26
17	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> , 2017, 22, 253.	1.7	22
18	Non-covalently functionalized graphene for the potentiometric sensing of zinc ions. <i>Analyst, The</i> , 2012, 137, 1895.	1.7	21

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19	Dynamic self-assembly of nanoparticles using thermotropic liquid crystals. <i>Liquid Crystals</i> , 2016, 43, 2391-2409.	0.9	21
20	Liquid Crystal Templated Chiral Plasmonic Films with Dynamic Tunability and Moldability. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	20
21	Robust Synthesis of Gold Nanotriangles and their Self-Assembly into Vertical Arrays. <i>ChemistryOpen</i> , 2019, 8, 705-711.	0.9	18
22	In Situ Tracking of Colloidally Stable and Ordered Assemblies of Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2020, 142, 18814-18825.	6.6	15
23	Universal Method for Producing Reduced Graphene Oxide/Gold Nanoparticles Composites with Controlled Density of Grafting and Long-Term Stability. <i>Nanomaterials</i> , 2019, 9, 602.	1.9	13
24	Achieving Highly Stable, Reversibly Reconfigurable Plasmonic Nanocrystal Superlattices through the Use of Semifluorinated Surface Ligands. <i>Chemistry of Materials</i> , 2018, 30, 8201-8210.	3.2	12
25	Understanding and Controlling the Crystallization Process in Reconfigurable Plasmonic Superlattices. <i>ACS Nano</i> , 2021, 15, 4916-4926.	7.3	10
26	Tuneable helices of plasmonic nanoparticles using liquid crystal templates: molecular dynamics investigation of an unusual odd-even effect in liquid crystalline dimers. <i>Chemical Communications</i> , 2022, 58, 7364-7367.	2.2	8
27	Modifying Thermal Switchability of Liquid Crystalline Nanoparticles by Alkyl Ligands Variation. <i>Nanomaterials</i> , 2018, 8, 147.	1.9	6
28	Self-Assembled PbS/CdS Quantum Dot Films with Switchable Symmetry and Emission. <i>Chemistry of Materials</i> , 2019, 31, 7855-7863.	3.2	5
29	Energy Transfer from Photosystem I to Thermally Reduced Graphene Oxide. <i>Materials</i> , 2018, 11, 1567.	1.3	4
30	Size-Dependent Thermo- and Photoresponsive Plasmonic Properties of Liquid Crystalline Gold Nanoparticles. <i>Materials</i> , 2020, 13, 875.	1.3	3
31	Thermomechanically controlled fluorescence anisotropy in thin films of InP/ZnS quantum dots. <i>Nanoscale Advances</i> , 2021, 3, 5387-5392.	2.2	3
32	Active Plasmonics with Responsive, Binary Assemblies of Gold Nanorods and Nanospheres. <i>Nanomaterials</i> , 2021, 11, 2296.	1.9	3
33	Liquid crystals from mesogens containing gold nanoparticles. <i>Series in Sof Condensed Matter</i> , 2016, , 571-602.	0.1	1
34	STEM Tomography of Au Helical Assemblies. <i>Microscopy and Microanalysis</i> , 2021, , 1-5.	0.2	1