

Alexandra Teleki

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	2,475 citations	24 h-index	49 g-index
50 ext. papers	2,706 ext. citations	7.1 avg, IF	4.97 L-index

#	Paper	IF	Citations
47	Semiconductor gas sensors: dry synthesis and application. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7632-59	16.4	404
46	Ferroelectric WO ₃ Nanoparticles for Acetone Selective Detection. <i>Chemistry of Materials</i> , 2008 , 20, 4794-4796	16.4	283
45	Hybrid, silica-coated, Janus-like plasmonic-magnetic nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 1985-1992	14.0	140
44	Sensing of organic vapors by flame-made TiO ₂ nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2006 , 119, 683-690	8.5	140
43	Iron from nanocompounds containing iron and zinc is highly bioavailable in rats without tissue accumulation. <i>Nature Nanotechnology</i> , 2010 , 5, 374-80	28.7	134
42	Hermetically Coated Superparamagnetic Fe ₂ O ₃ Particles with SiO ₂ Nanofilms. <i>Chemistry of Materials</i> , 2009 , 21, 2094-2100	9.6	110
41	Non-toxic dry-coated nanosilver for plasmonic biosensors. <i>Advanced Functional Materials</i> , 2010 , 20, 4250-4257	13.5	104
40	In situ coating of flame-made TiO ₂ particles with nanothin SiO ₂ films. <i>Langmuir</i> , 2008 , 24, 12553-8	4	96
39	Distinguishing between aggregates and agglomerates of flame-made TiO ₂ by high-pressure dispersion. <i>Powder Technology</i> , 2008 , 181, 292-300	5.2	92
38	Nanosilver on nanostructured silica: Antibacterial activity and Ag surface area. <i>Chemical Engineering Journal</i> , 2011 , 170, 547-554	14.7	91
37	Blue nano titania made in diffusion flames. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3742-7	3.6	85
36	Morphology, structure and magnetic properties of cobalt-fickel films obtained from acidic electrolytes containing glycine. <i>Electrochimica Acta</i> , 2011 , 56, 1399-1408	6.7	83
35	Flame-made Nb- and Cu-doped TiO ₂ sensors for CO and ethanol. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 449-457	8.5	83
34	The quality of SiO ₂ -coatings on flame-made TiO ₂ -based nanoparticles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3547		57
33	Pickering and Network Stabilization of Biocompatible Emulsions Using Chitosan-Modified Silica Nanoparticles. <i>Langmuir</i> , 2016 , 32, 13446-13457	4	56
32	High-pressure liquid dispersion and fragmentation of flame-made silica agglomerates. <i>Langmuir</i> , 2006 , 22, 4928-35	4	45
31	Nanostructure Evolution: From Aggregated to Spherical SiO ₂ Particles Made in Diffusion Flames. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 911-918	2.3	43

30	Flame-coating of titania particles with silica. <i>Journal of Materials Research</i> , 2005 , 20, 1336-1347	2.5	43
29	Development and optimization of iron- and zinc-containing nanostructured powders for nutritional applications. <i>Nanotechnology</i> , 2009 , 20, 475101	3.4	40
28	Emulsions Stabilized by Chitosan-Modified Silica Nanoparticles: pH Control of Structure-Property Relations. <i>Langmuir</i> , 2018 , 34, 6147-6160	4	37
27	100 Years of Vitamins: The Science of Formulation is the Key to Functionality. <i>KONA Powder and Particle Journal</i> , 2013 , 30, 144-163	3.4	37
26	Role of Gas-Aerosol Mixing during in Situ Coating of Flame-Made Titania Particles. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 85-92	3.9	33
25	Incorporation of Mg and Ca into nanostructured Fe ₂ O ₃ improves Fe solubility in dilute acid and sensory characteristics in foods. <i>Journal of Food Science</i> , 2011 , 76, N2-10	3.4	29
24	Continuous surface functionalization of flame-made TiO ₂ nanoparticles. <i>Langmuir</i> , 2010 , 26, 5815-22	4	28
23	3D-printing of solid lipid tablets from emulsion gels. <i>International Journal of Pharmaceutics</i> , 2021 , 597, 120304	6.5	22
22	Effect of size, composition, and morphology on magnetic performance: First-order reversal curves evaluation of iron oxide nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 115, 044314	2.5	21
21	Thermal Energy Dissipation by SiO ₂ -Coated Plasmonic-Superparamagnetic Nanoparticles in Alternating Magnetic Fields. <i>Chemistry of Materials</i> , 2013 , 25, 4603-4612	9.6	17
20	Highly scalable production of uniformly-coated superparamagnetic nanoparticles for triggered drug release from alginate hydrogels. <i>RSC Advances</i> , 2016 , 6, 21503-21510	3.7	16
19	Molecularly designed lipid microdomains for solid dispersions using a polymer/inorganic carrier matrix produced by hot-melt extrusion. <i>International Journal of Pharmaceutics</i> , 2016 , 499, 90-100	6.5	16
18	Structural dependence of the efficiency of functionalization of silica-coated FeOx magnetic nanoparticles studied by ATR-IR. <i>Applied Surface Science</i> , 2011 , 257, 2861-2869	6.7	15
17	Investigation of the Intra- and Interlaboratory Reproducibility of a Small Scale Standardized Supersaturation and Precipitation Method. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4161-4169	5.6	10
16	Biorelevant intrinsic dissolution profiling in early drug development: Fundamental, methodological, and industrial aspects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 139, 101-114	5.7	9
15	Multifractal and mechanical analysis of amorphous solid dispersions. <i>International Journal of Pharmaceutics</i> , 2017 , 523, 91-101	6.5	7
14	Intrinsic Dissolution Rate Profiling of Poorly Water-Soluble Compounds in Biorelevant Dissolution Media. <i>Pharmaceutics</i> , 2020 , 12,	6.4	7
13	Halbleitersensoren: Trockensynthese und Anwendung. <i>Angewandte Chemie</i> , 2010 , 122, 7796-7825	3.6	7

12	Flow-through cross-polarized imaging as a new tool to overcome the analytical sensitivity challenges of a low-dose crystalline compound in a lipid matrix. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 115, 20-30	3.5	6
11	Multifractal Characterization of Pharmaceutical Hot-Melt Extrudates. <i>Pharmaceutical Research</i> , 2017 , 34, 321-332	4.5	6
10	Morphological stability of microencapsulated vitamin formulations by AFM imaging. <i>Food Structure</i> , 2016 , 9, 1-12	4.3	6
9	Nanostructured Minerals and Vitamins for Food Fortification and Food Supplementation 2019 , 63-98		4
8	High Performance Ethanol Sensor for Control Drunken Driving Based on Flame-made ZnO Nanoparticles 2007 ,		4
7	Utilizing Laser Activation of Photothermal Plasmonic Nanoparticles to Induce On-Demand Drug Amorphization inside a Tablet. <i>Molecular Pharmaceutics</i> , 2021 , 18, 2254-2262	5.6	4
6	Non-Toxic Dry-Coated Nanosilver for Plasmonic Biosensors. <i>Advanced Functional Materials</i> , 2010 , 20, 4249-4249	15.6	3
5	Proteomics-Informed Identification of Luminal Targets For In Situ Diagnosis of Inflammatory Bowel Disease. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 239-250	3.9	2
4	Iron fortification: Flame-made nanostructured Mg- or Ca-doped Fe oxides. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1316, 1		
3	Dispergierung und Fragmentierung pyrogener SiO ₂ - und TiO ₂ -Nanopartikel. <i>Chemie-Ingenieur-Technik</i> , 2006 , 78, 1344-1344	0.8	
2	Getting a grip with kirigami. <i>Nature Materials</i> , 2021 , 20, 1043-1044	27	
1	The Role of Bio-based Excipients in the Formulation of Lipophilic Nutraceuticals 2022 , 315-336		