

Laszlo Korosi

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,310
citations

430874
18
h-index

345221
36
g-index

41
all docs

41
docs citations

41
times ranked

2010
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and investigation of structural and photocatalytic properties of phosphate modified titanium dioxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 280, 146-154.	4.7	170
2	Surface and Bulk Composition, Structure, and Photocatalytic Activity of Phosphate-Modified TiO_2 . Chemistry of Materials, 2007, 19, 4811-4819.	6.7	163
3	The influence of temperature on the structural behaviour of sodium tri- and hexa-titanates and their protonated forms. Journal of Solid State Chemistry, 2005, 178, 1614-1619.	2.9	126
4	Photocatalytic oxidation of organic pollutants on titania-clay composites. Chemosphere, 2008, 70, 538-542.	8.2	77
5	Preparation and characterization of SnO_2 nanoparticles of enhanced thermal stability: The effect of phosphoric acid treatment on $\text{SnO}_2 \cdot n\text{H}_2\text{O}$. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 268, 147-154.	4.7	68
6	Structural properties and photocatalytic behaviour of phosphate-modified nanocrystalline titania films. Applied Catalysis B: Environmental, 2007, 77, 175-183.	20.2	67
7	Magnetic iron oxide/clay composites: effect of the layer silicate support on the microstructure and phase formation of magnetic nanoparticles. Nanotechnology, 2007, 18, 285602.	2.6	55
8	Synthesis and characterization of Ag/Au alloy and core(Ag)-shell(Au) nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 281-287.	4.7	49
9	H_2O_2 -assisted photocatalysis on flower-like rutile TiO_2 nanostructures: Rapid dye degradation and inactivation of bacteria. Applied Surface Science, 2016, 365, 171-179.	6.1	49
10	Photocatalytic activity of silver-modified titanium dioxide at solid-liquid and solid-gas interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 136-142.	4.7	40
11	A Layered Titanium Phosphate $\text{Ti}_2\text{O}_3(\text{HPO}_4)_2 \cdot 2\text{H}_2\text{O}$ with Rectangular Morphology: Synthesis, Structure, and Cysteamine Intercalation. Chemistry of Materials, 2010, 22, 4356-4363.	6.7	33
12	Preparation of transparent conductive indium tin oxide thin films from nanocrystalline indium tin hydroxide by dip-coating method. Thin Solid Films, 2011, 519, 3113-3118.	1.8	32
13	Multiple roles for Vitamin B6 in plant acclimation to UV-B. Scientific Reports, 2019, 9, 1259.	3.3	29
14	Hydrothermal evolution of PF-co-doped TiO_2 nanoparticles and their antibacterial activity against carbapenem-resistant <i>Klebsiella pneumoniae</i> . Applied Catalysis B: Environmental, 2018, 231, 115-122.	20.2	28
15	Incubator proof miniaturized Holomonitor to <i>in situ</i> monitor cancer cells exposed to green tea polyphenol and preosteoblast cells adhering on nanostructured titanate surfaces: validity of the measured parameters and their corrections. Journal of Biomedical Optics, 2015, 20, 067002.	2.6	27
16	Sol-gel synthesis of nanostructured indium tin oxide with controlled morphology and porosity. Applied Surface Science, 2014, 320, 725-731.	6.1	24
17	Ultrasmall, Ligand-Free Ag Nanoparticles with High Antibacterial Activity Prepared by Pulsed Laser Ablation in Liquid. Journal of Chemistry, 2016, 2016, 1-8.	1.9	22
18	Age- and season-dependent pattern of flavonol glycosides in Cabernet Sauvignon grapevine leaves. Scientific Reports, 2020, 10, 14241.	3.3	20

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19	Nanostructured TiO ₂ -induced photocatalytic stress enhances the antioxidant capacity and phenolic content in the leaves of <i>Vitis vinifera</i> on a genotype-dependent manner. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 137-145.	3.8	19
20	Structural and photooxidation properties of SnO ₂ /layer silicate nanocomposites. <i>Applied Clay Science</i> , 2004, 27, 29-40.	5.2	18
21	Plasmon-enhanced two-channel in situ Kretschmann ellipsometry of protein adsorption, cellular adhesion and polyelectrolyte deposition on titania nanostructures. <i>Optics Express</i> , 2016, 24, 4812.	3.4	16
22	Highly-efficient photocatalytic generation of superoxide radicals by phase-pure rutile TiO ₂ nanoparticles for azo dye removal. <i>Applied Surface Science</i> , 2019, 493, 719-728.	6.1	16
23	Effects of phosphate modification on the structure and surface properties of ordered mesoporous SnO ₂ . <i>Microporous and Mesoporous Materials</i> , 2010, 134, 79-86.	4.4	15
24	Highly transparent ITO thin films on photosensitive glass: sol-gel synthesis, structure, morphology and optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 385-392.	2.3	15
25	Correlations between Total Antioxidant Capacity, Polyphenol and Fatty Acid Content of Native Grape Seed and Pomace of Four Different Grape Varieties in Hungary. <i>Antioxidants</i> , 2021, 10, 1101.	5.1	15
26	In-situ optical emission spectroscopy of laser-induced vanadium oxide plasma in vacuum. <i>Vacuum</i> , 2012, 86, 2002-2004.	3.5	14
27	A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 53-58.	4.4	13
28	Titanate nanotube thin films with enhanced thermal stability and high-transparency prepared from additive-free sols. <i>Journal of Solid State Chemistry</i> , 2012, 192, 342-350.	2.9	12
29	Antibacterial Activity of Nanocrystalline TiO ₂ on Multiresistant <i>Klebsiella pneumoniae</i> Strains. <i>Science of Advanced Materials</i> , 2013, 5, 1184-1192.	0.7	12
30	Hydrothermal synthesis, structure and photocatalytic activity of PF-co-doped TiO ₂ . <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 442-450.	4.0	10
31	Photocatalytic Inactivation of Plant Pathogenic Bacteria Using TiO ₂ Nanoparticles Prepared Hydrothermally. <i>Nanomaterials</i> , 2020, 10, 1730.	4.1	10
32	Antimicrobial Efficacy and Spectrum of Phosphorous-Fluorine Co-Doped TiO ₂ Nanoparticles on the Foodborne Pathogenic Bacteria <i>Campylobacter jejuni</i> , <i>Salmonella Typhimurium</i> , <i>Enterohaemorrhagic E. coli</i> , <i>Yersinia enterocolitica</i> , <i>Shewanella putrefaciens</i> , <i>Listeria monocytogenes</i> and <i>Staphylococcus aureus</i> . <i>Foods</i> , 2021, 10, 1786.	4.3	9
33	Enhanced protein adsorption and cellular adhesion using transparent titanate nanotube thin films made by a simple and inexpensive room temperature process: Application to optical biochips. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 491-497.	5.0	8
34	Postharvest UV-A and UV-B treatments may cause a transient decrease in grape berry skin flavonol-glycoside contents and total antioxidant capacities. <i>Phytochemistry Letters</i> , 2019, 31, 63-68.	1.2	8
35	The Effect of Transition Metal Doping on the Photooxidation Process of Titania-Clay Composites. <i>International Journal of Photoenergy</i> , 2008, 2008, 1-9.	2.5	7
36	Low-temperature sintering behavior of nanocrystalline indium tin oxide prepared from polymer-containing sols. <i>Materials Research Bulletin</i> , 2012, 47, 933-940.	5.2	5

#	ARTICLE	IF	CITATIONS
37	Contrasting acclimation mechanisms of berry color variant grapevine cultivars (<i>Vitis vinifera</i> L. cv.) Tj ETQq1 1 0.784314 rgBT ₄ /Overlook	2.1	4
38	Metal and semiconductor nanoparticles stabilized in ultrathin nanofilms and layer-structured materials. , 2003, 5118, 441.		2
39	Phase-Selective Synthesis of Anatase and Rutile TiO ₂ Nanocrystals and Their Impacts on Grapevine Leaves: Accumulation of Mineral Nutrients and Triggering the Plant Defense. <i>Nanomaterials</i> , 2022, 12, 483.	4.1	2
40	Some Colloidal Routes to Synthesize Metal Nanoparticle-Based Catalysts. , 2012, , 413-457.		1
41	Synthesis, Structure, and Photocatalytic Activity of Titanium Dioxide and Some of Its Surface-Modified Derivatives. , 2012, , 459-489.		0