

Tamas Szabo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1524643/publications.pdf>

Version: 2024-02-01

55
papers

6,182
citations

230014

27
h-index

182931

54
g-index

56
all docs

56
docs citations

56
times ranked

9766
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino Acid Complexes of Zirconium in a Carbon Composite for the Efficient Removal of Fluoride Ions from Water. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3640.	1.2	3
2	Magnetic Nanoparticle Systems for Nanomedicine—A Materials Science Perspective. <i>Magnetochemistry</i> , 2020, 6, 2.	1.0	79
3	Size-dependent aggregation of graphene oxide. <i>Carbon</i> , 2020, 160, 145-155.	5.4	86
4	Ion Specific Effects on the Stability of Halloysite Nanotube Colloids—Inorganic Salts versus Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9757-9765.	1.2	24
5	Tunable Magnetic Hyperthermia Properties of Pristine and Mildly Reduced Graphene Oxide/Magnetite Nanocomposite Dispersions. <i>Nanomaterials</i> , 2020, 10, 2426.	1.9	7
6	Effects of Size and Oxidation on the Nonlinear Optical Response and Optical Limiting of Graphene Oxide Sheets. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11265-11273.	1.5	8
7	Striking analogies and dissimilarities between graphene oxides and humic acids: pH-dependent charging and colloidal stability. <i>Journal of Molecular Liquids</i> , 2020, 306, 112948.	2.3	6
8	Immobilization of a Pd(II) complex on hydrophilic graphite oxide and its catalytic investigation in the Heck coupling reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5565.	1.7	8
9	Graphite Oxide-TiO ₂ Nanocomposite Type Photocatalyst for Methanol Photocatalytic Reforming Reaction. <i>Topics in Catalysis</i> , 2018, 61, 1323-1334.	1.3	11
10	A Simple and Scalable Method for the Preparation of Magnetite/Graphene Oxide Nanocomposites under Mild Conditions. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-11.	1.0	9
11	Systematic evaluation of different types of graphene oxide in respect to variations in their in-plane modulus. <i>Carbon</i> , 2017, 114, 700-705.	5.4	44
12	Neurotoxic effects of subchronic intratracheal Mn nanoparticle exposure alone and in combination with other welding fume metals in rats. <i>Inhalation Toxicology</i> , 2017, 29, 227-238.	0.8	9
13	Nonactivated titanium-dioxide nanoparticles promote the growth of <i>Chlamydia trachomatis</i> and decrease the antimicrobial activity of silver nanoparticles. <i>Journal of Applied Microbiology</i> , 2017, 123, 1335-1345.	1.4	6
14	Clustering of carboxylated magnetite nanoparticles through polyethylenimine: Covalent versus electrostatic approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 280-288.	1.0	11
15	Stability and dye inclusion of graphene oxide/polyelectrolyte layer-by-layer self-assembled films in saline, acidic and basic aqueous solutions. <i>Carbon</i> , 2017, 111, 350-357.	5.4	15
16	Polyelectrolyte coating on superparamagnetic iron oxide nanoparticles as interface between magnetic core and biorelevant media. <i>Interface Focus</i> , 2016, 6, 20160068.	1.5	26
17	Synthesis and enantioselective transport studies of optically active lipophilic proton-ionizable crown ethers containing a diarylphosphinic acid unit. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 650-656.	1.8	6
18	Tuning the Aggregation of Titanate Nanowires in Aqueous Dispersions. <i>Langmuir</i> , 2015, 31, 42-49.	1.6	25

#	ARTICLE	IF	CITATIONS
19	Dendrimer-Stabilized Titanate Nanowire Dispersions as Potential Nanocarriers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24919-24926.	1.5	17
20	Catalytic investigation of PdCl ₂ (TDA) ₂ immobilized on hydrophobic graphite oxide in the hydrogenation of 1-pentyne and the Heck coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 113, 61-68.	0.8	5
21	Dispersion Characteristics and Aggregation in Titanate Nanowire Colloids. <i>ChemPlusChem</i> , 2014, 79, 592-600.	1.3	15
22	Intercalation and coordination of copper(II)â€²2,2â€²-bipyridine complexes into graphite oxide. <i>Carbon</i> , 2014, 72, 425-428.	5.4	10
23	The structure of graphene oxide membranes in liquid water, ethanol and waterâ€²ethanol mixtures. <i>Nanoscale</i> , 2014, 6, 272-281.	2.8	180
24	Synthesis and transport studies of new enantiopure lipophilic crown ethers containing a diarylphosphinic acid unit. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1443-1449.	1.8	6
25	Particle aggregation mechanisms in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9515-9524.	1.3	55
26	Formulation of Multifunctional Material Dispersions. <i>Chimia</i> , 2014, 68, 454.	0.3	3
27	Effect of synthesis method on solvation and exfoliation of graphite oxide. <i>Carbon</i> , 2013, 52, 171-180.	5.4	148
28	Nonlinear Optical Properties and Broadband Optical Power Limiting Action of Graphene Oxide Colloids. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6842-6850.	1.5	163
29	Photocatalyst separation from aqueous dispersion using graphene oxide/TiO ₂ nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 433, 230-239.	2.3	45
30	Interaction of Biological Molecules with Clay Minerals: A Combined Spectroscopic and Sorption Study of Lysozyme on Saponite. <i>Langmuir</i> , 2012, 28, 611-619.	1.6	38
31	Synthesis and catalytic investigation of organophilic Pd/graphite oxide nanocomposites. <i>Catalysis Communications</i> , 2012, 17, 104-107.	1.6	7
32	Structural Breathing of Graphite Oxide Pressurized in Basic and Acidic Solutions.. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 309-313.	2.1	27
33	Doxorubicin Nanocarriers Based on Magnetic Colloids with a Bioâ€²polyelectrolyte Corona and High Nonâ€²linear Optical Response: Synthesis, Characterization, and Properties. <i>Advanced Functional Materials</i> , 2011, 21, 1465-1475.	7.8	29
34	Temperature dependent structural breathing of hydrated graphite oxide in H ₂ O. <i>Carbon</i> , 2011, 49, 1894-1899.	5.4	74
35	Hybrid Langmuirâ€²Blodgett monolayers of graphite oxide nanosheets. <i>Carbon</i> , 2010, 48, 1676-1680.	5.4	39
36	AFM Study of Smectites in Hybrid Langmuir-Blodgett Films: Saponite, Wyoming Bentonite, Hectorite, and Laponite. <i>Clays and Clay Minerals</i> , 2009, 57, 706-714.	0.6	12

#	ARTICLE	IF	CITATIONS
37	Optical properties of zinc peroxide and zinc oxide multilayer nanohybrid films. Applied Surface Science, 2009, 255, 6953-6962.	3.1	32
38	Plasmonic structure generation by laser illumination of silica colloid spheres deposited onto prepatterned polymer-bimetal films. Applied Surface Science, 2009, 255, 5138-5145.	3.1	5
39	Pressure-Induced Insertion of Liquid Alcohols into Graphite Oxide Structure. Journal of the American Chemical Society, 2009, 131, 18445-18449.	6.6	74
40	Nanocarbons by High-Temperature Decomposition of Graphite Oxide at Various Pressures. Journal of Physical Chemistry C, 2009, 113, 11279-11284.	1.5	37
41	Colossal Pressure-Induced Lattice Expansion of Graphite Oxide in the Presence of Water. Angewandte Chemie - International Edition, 2008, 47, 8268-8271.	7.2	109
42	Optical properties of zinc oxide ultrathin hybrid films on silicon wafer prepared by layer-by-layer method. Thin Solid Films, 2008, 516, 3009-3014.	0.8	14
43	Magnetically Modified Single and Turbostratic Stacked Graphenes from Tris(2,2'-bipyridyl) Iron(II) Ion-Exchanged Graphite Oxide. Journal of Physical Chemistry B, 2008, 112, 14461-14469.	1.2	42
44	Adsorption of protamine and papain proteins on saponite. Clays and Clay Minerals, 2008, 56, 494-504.	0.6	37
45	Magnetic iron oxide/clay composites: effect of the layer silicate support on the microstructure and phase formation of magnetic nanoparticles. Nanotechnology, 2007, 18, 285602.	1.3	55
46	Layer-by-Layer Construction of Ultrathin Hybrid Films with Proteins and Clay Minerals. Journal of Physical Chemistry C, 2007, 111, 12730-12740.	1.5	45
47	Enhanced acidity and pH-dependent surface charge characterization of successively oxidized graphite oxides. Carbon, 2006, 44, 537-545.	5.4	456
48	Evolution of Surface Functional Groups in a Series of Progressively Oxidized Graphite Oxides. Chemistry of Materials, 2006, 18, 2740-2749.	3.2	1,600
49	Hydration behavior and dynamics of water molecules in graphite oxide. Journal of Physics and Chemistry of Solids, 2006, 67, 1106-1110.	1.9	380
50	Composite graphitic nanolayers prepared by self-assembly between finely dispersed graphite oxide and a cationic polymer. Carbon, 2005, 43, 87-94.	5.4	239
51	DRIFT study of deuterium-exchanged graphite oxide. Carbon, 2005, 43, 3186-3189.	5.4	535
52	Zinc oxide nanoparticles incorporated in ultrathin layer silicate films and their photocatalytic properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 230, 23-35.	2.3	97
53	Graphite Oxide: Chemical Reduction to Graphite and Surface Modification with Primary Aliphatic Amines and Amino Acids. Langmuir, 2003, 19, 6050-6055.	1.6	1,151
54	Metal and semiconductor nanoparticles stabilized in ultrathin nanofilms and layer-structured materials. , 2003, 5118, 441.		2

#	ARTICLE	IF	CITATIONS
55	Synthesis and Characterization of Graphite Oxide Derived TiO ₂ -Carbon Composites as Potential Electrocatalyst Supports. Topics in Catalysis, 0, , 1.	1.3	2