Kristina Djanashvili

List of Publications by Year
in descending order

56	2,630	236612 25	182168 51
papers	citations	h-index	g-index

63	63	63	4369
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controllable Hydrocarbon Formation from the Electrochemical Reduction of CO₂ over Cu Nanowire Arrays. Angewandte Chemie - International Edition, 2016, 55, 6680-6684.	7.2	471
2	Luminescence Properties of Self-Aggregating TbIII-DOTA-Functionalized Calix[4]arenes. Frontiers in Chemistry, 2018, 6, 1.	1.8	358
3	Selective electrochemical reduction of CO₂to CO on CuO-derived Cu nanowires. Physical Chemistry Chemical Physics, 2015, 17, 20861-20867.	1.3	159
4	Molecular Recognition of Sialic Acid End Groups by Phenylboronates. Chemistry - A European Journal, 2005, 11, 4010-4018.	1.7	124
5	Controllable Hydrocarbon Formation from the Electrochemical Reduction of CO₂ over Cu Nanowire Arrays. Angewandte Chemie, 2016, 128, 6792-6796.	1.6	112
6	Lanthanide Chelates Containing Pyridine Units with Potential Application as Contrast Agents in Magnetic Resonance Imaging. Chemistry - A European Journal, 2004, 10, 3579-3590.	1.7	107
7	5-Hydroxymethylfurfural Synthesis from Hexoses Is Autocatalytic. ACS Catalysis, 2013, 3, 760-763.	5.5	90
8	Pyridine- and Phosphonate-Containing Ligands for Stable Ln Complexation. Extremely Fast Water Exchange on the GdIIIChelates. Inorganic Chemistry, 2006, 45, 8719-8728.	1.9	87
9	MRI Visualization of Melanoma Cells by Targeting Overexpressed Sialic Acid with a Gd^{III}â€dotaâ€enâ€pba Imaging Reporter. Angewandte Chemie - International Edition, 2013, 52, 1161-1164.	7.2	81
10	Pt/Al₂O₃ Catalyzed 1,3â€Propanediol Formation from Glycerol using Tungsten Additives. ChemCatChem, 2013, 5, 497-505.	1.8	76
11	The chemical consequences of the gradual decrease of the ionic radius along the Ln-series. Coordination Chemistry Reviews, 2020, 406, 213146.	9.5	64
12	Tuning selectivity of Pt/CaCO3 in glycerol hydrogenolysis â€" A Design of Experiments approach. Catalysis Communications, 2011, 13, 1-5.	1.6	62
13	Gadolinium oxysulfide nanoparticles as multimodal imaging agents for T₂-weighted MR, X-ray tomography and photoluminescence. Nanoscale, 2014, 6, 555-564.	2.8	59
14	Lanthanide(III) Complexes of Phosphorus Acid Analogues of H₄DOTA as Model Compounds for the Evaluation of the Secondâ€Sphere Hydration. European Journal of Inorganic Chemistry, 2009, 2009, 119-136.	1.0	55
15	Lanthanide Loaded Zeolites, Clays, and Mesoporous Silica Materials as MRI Probes. European Journal of Inorganic Chemistry, 2012, 2012, 1961-1974.	1.0	50
16	How to determine the number of inner-sphere water molecules in Lanthanide(III) complexes by17O NMR spectroscopy. A technical note. Contrast Media and Molecular Imaging, 2007, 2, 67-71.	0.4	48
17	The structure of the lanthanide aquo ions in solution as studied by 17O NMR spectroscopy and DFT calculations. Dalton Transactions, 2008, , 602-607.	1.6	46
18	The highest water exchange rate ever measured for a Gd(iii) chelate. Chemical Communications, 2005, , 4729.	2.2	39

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19	17O NMR and Density Functional Theory Study of the Dynamics of the Carboxylate Groups in DOTA Complexes of Lanthanides in Aqueous Solution. Inorganic Chemistry, 2012, 51, 170-178.	1.9	35
20	Molecular Recognition of Sialic Acid by Lanthanide(III) Complexes through Cooperative Two-Site Binding. Inorganic Chemistry, 2010, 49, 4212-4223.	1.9	33
21	Combined epimerisation and acylation: Meerweinâ€“Ponndorfâ€“Verleyâ€“Oppenauer catalysts in action. Organic and Biomolecular Chemistry, 2005, 3, 483-489.	1.5	31
22	Phenylboronate160Tb complexes for molecular recognition of glycoproteins expressed on tumor cells. Contrast Media and Molecular Imaging, 2007, 2, 35-41.	0.4	30
23	Deuteration study to elucidate hydrogenolysis of benzylic alcohols over supported palladium catalysts. Journal of Catalysis, 2007, 246, 344-350.	3.1	30
24	Development of a liposomal delivery system for temperature-triggered release of a tumor targeting agent, Ln(III)-DOTA-phenylboronate. Bioorganic and Medicinal Chemistry, 2011, 19, 1123-1130.	1.4	29
25	Towards Selective Recognition of Sialic Acid Through Simultaneous Binding to Its cisâ€Diol and Carboxylate Functions. European Journal of Organic Chemistry, 2010, 2010, 3237-3248.	1.2	28
26	Synthesis, characterisation and catalytic performance of a mesoporous tungsten silicate: W-TUD-1. Applied Catalysis A: General, 2013, 468, 150-159.	2.2	25
27	Al(OH)₃ facilitated synthesis of water-soluble, magnetic, radiolabelled and fluorescent hydroxyapatite nanoparticles. Chemical Communications, 2015, 51, 9332-9335.	2.2	21
28	B-TUD-1: a versatile mesoporous catalyst. RSC Advances, 2013, 3, 21524.	1.7	20
29	Nuclear Waste and Biocatalysis: A Sustainable Liaison?. ACS Catalysis, 2020, 10, 14195-14200.	5.5	20
30	Prototropic Exchange Governs T₁ and T₂ Relaxivities of a Potential MRI Contrast Agent Nanozeolite Gdâ^'LTL with a High pH Responsiveness. Journal of Physical Chemistry C, 2015, 119, 5080-5089.	1.5	18
31	Polysaccharide-Based Theranostic Systems for Combined Imaging and Cancer Therapy: Recent Advances and Challenges. ACS Biomaterials Science and Engineering, 2022, 8, 2281-2306.	2.6	17
32	Nanozeoliteâ€LTL with Gd^{III} Deposited in the Large and Eu^{III} in the Small Cavities as a Magnetic Resonance Optical Imaging Probe. Chemistry - A European Journal, 2014, 20, 3358-3364.	1.7	15
33	Synthesis, characterization and performance of bifunctional catalysts for the synthesis of menthol from citronellal. RSC Advances, 2017, 7, 12041-12053.	1.7	15
34	Surface PEG Grafting Density Determines Magnetic Relaxation Properties of Gd-Loaded Porous Nanoparticles for MR Imaging Applications. ACS Applied Materials & Interfaces, 2017, 9, 23458-23465.	4.0	14
35	The Gd³⁺ complex of 1,4,7,10â€tetraazacyclododecaneâ€1,4,7,10â€tetraacetic acid mono(pâ€isothiocyanatoanilide) conjugated to inulin: a potential stable macromolecular contrast agent for MRI. Contrast Media and Molecular Imaging, 2011, 6, 482-491.	0.4	13
36	Nanoparticles of lanthanide oxysulfate/oxysulfide for improved oxygen storage/release. Dalton Transactions, 2016, 45, 14019-14022.	1.6	13

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37	Lightâ€Harvesting Antennae using the Hostâ€“Guest Chemistry of Mesoporous Organosilica. ChemPhotoChem, 2018, 2, 196-206.	1.5	12
38	31P NMR study of the valence stability of tin in its 1-hydroxyethylene-diphosphonate (HEDP) and N,Nâ€²,Nâ€²-trimethylenephosphonate-polyethyleneimine (PEI-MP) complexes. Polyhedron, 2008, 27, 1779-1786.	1.0	11
39	Aldol reactions mediated by a tetrahedral boronate. Chemical Communications, 2013, 49, 361-363.	2.2	11
40	Tumor Targeting via Sialic Acid: [68Ga]DOTA-en-pba as a New Tool for Molecular Imaging of Cancer with PET. Molecular Imaging and Biology, 2018, 20, 798-807.	1.3	10
41	Molecular architecture control in synthesis of spherical Ln-containing nanoparticles. RSC Advances, 2015, 5, 69861-69869.	1.7	9
42	Glycoconjugate probes and targets for molecular imaging using magnetic resonance. Future Medicinal Chemistry, 2010, 2, 409-425.	1.1	8
43	Microwaveâ€Assisted Seeded Growth of Lanthanideâ€Based Nanoparticles for Imaging and Therapy. Chemistry - A European Journal, 2012, 18, 8004-8007.	1.7	8
44	Mesoscopic FRET Antenna Materials by Selfâ€Assembling Iridium(III) Complexes and BODIPY Dyes. Chemistry - A European Journal, 2018, 24, 11992-11999.	1.7	7
45	Process Intensification of Mesoporous Materialâ€™s Synthesis by Microwave-Assisted Surfactant Removal. ACS Sustainable Chemistry and Engineering, 2020, 8, 16814-16822.	3.2	5
46	Towards Enhanced MRI Performance of Tumor-Specific Dimeric Phenylboronic Contrast Agents. Molecules, 2021, 26, 1730.	1.7	5
47	Potential of MRI in Radiotherapy Mediated by Small Conjugates and Nanosystems. Inorganics, 2019, 7, 59.	1.2	4
48	Solid-phase synthesis and evaluation of tumour-targeting phenylboronate-based MRI contrast agents. Organic and Biomolecular Chemistry, 2020, 18, 7899-7906.	1.5	4
49	Tetrahedral boronates as basic catalysts in the aldol reaction. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 587-595.	0.3	3
50	An Introduction to MRI Contrast Agents. , 2016, , .		2
51	Fate of Organic Functionalities Conjugated to Theranostic Nanoparticles upon Their Activation. Bioconjugate Chemistry, 2016, 27, 446-456.	1.8	2
52	On the Versatility of Nanozeolite Linde Type L for Biomedical Applications: Zirconium-89 Radiolabeling and In Vivo Positron Emission Tomography Study. ACS Applied Materials & Interfaces, 2022, 14, 32788-32798.	4.0	2
53	NMR study of the synthesis of17O-enriched acetic acid by hydrolysis of acetic anhydride with17O-enriched water. Magnetic Resonance in Chemistry, 2003, 41, 959-961.	1.1	1
54	Supramolecular â€œLeeksâ€•of a Fluorinated Hybrid Amphiphile That Self-Assembles into a Disordered Columnar Phase. Journal of Physical Chemistry B, 2013, 117, 2820-2826.	1.2	1

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55	Imaging With Lanthanides. , 2017, , 261-293.		0
56	The search for panchromatic light-harvesting systems: Ternary and binary antennae based on self-organised materials. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 405, 112872.	2.0	0