

Dimitar Todorovsky

List of Publications by Year in descending order

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docs citations

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times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic properties of TiO ₂ modified with gold nanoparticles in the degradation of oxalic acid in aqueous solution. <i>Applied Catalysis A: General</i> , 2006, 313, 115-121.	4.3	87
2	Effect of the mechanoactivation on the structure, sorption and photocatalytic properties of titanium dioxide. <i>Materials Chemistry and Physics</i> , 2008, 110, 291-298.	4.0	41
3	Surface Roughness Characterization of Poly(methylmethacrylate) Films with Immobilized Eu(III) β -Diketonates by Fractal Analysis. <i>International Journal of Polymer Analysis and Characterization</i> , 2014, 19, 404-421.	1.9	40
4	Thermal decomposition of yttrium-iron citrates prepared in ethylene glycol medium. <i>Materials Letters</i> , 2002, 55, 41-45.	2.6	35
5	Effect of the application of superphosphate on rare earths' content in the soil. <i>Science of the Total Environment</i> , 1997, 203, 13-16.	8.0	34
6	Lanthanide-doped titanium dioxide layers as photocatalysts. <i>Applied Surface Science</i> , 2008, 254, 7296-7302.	6.1	33
7	Thermal decomposition of lanthanum-titanium citric complexes prepared from ethylene glycol medium. <i>Journal of Materials Science</i> , 2002, 37, 4029-4039.	3.7	32
8	Crystal structure, morphology and photocatalytic activity of modified TiO ₂ and of spray-deposited TiO ₂ films. <i>Catalysis Today</i> , 2010, 151, 14-20.	4.4	32
9	Influence of gamma-irradiation on the photocatalytic activity of Degussa P25 TiO ₂ . <i>Journal of Materials Science</i> , 2012, 47, 4936-4945.	3.7	32
10	Synthesis, characterization and photocatalytic activity of neodymium, nitrogen and neodymium-nitrogen doped TiO ₂ . <i>Materials Research Bulletin</i> , 2012, 47, 2165-2177.	5.2	30
11	Influence of mechanoactivation on rare earths leaching from phosphogypsum. <i>Hydrometallurgy</i> , 1997, 45, 13-19.	4.3	27
12	Spray pyrolysis deposition of Fe_2O_3 thin films using iron (III) citric complexes. <i>Materials Letters</i> , 2002, 56, 770-774.	2.6	26
13	Thermal decomposition of zirconium-yttrium citric complexes prepared in ethylene glycol and water media. <i>Materials Research Bulletin</i> , 2006, 41, 576-589.	5.2	26
14	Photoelectrochemical characterisation and photocatalytic activity of composite La ₂ O ₃ -TiO ₂ coatings on stainless steel. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 23-33.	20.2	24
15	On the spray-drying deposition of TiO ₂ photocatalytic films. <i>Applied Surface Science</i> , 2009, 256, 830-837.	6.1	24
16	Deposition and characterization of La ₂ Ti ₂ O ₇ thin films via spray pyrolysis process. <i>Applied Surface Science</i> , 2007, 253, 4560-4565.	6.1	21
17	Corrosion of aluminium and aluminium alloy in ethylene glycol-water mixtures. <i>Journal of Alloys and Compounds</i> , 2009, 470, 397-403.	5.5	21
18	Solubility of some lanthanide sulfates in polycomponent systems containing H ₂ SO ₄ . <i>Monatshefte für Chemie</i> , 1993, 124, 673-679.	1.8	19

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19	Spray-pyrolysis deposition of CeO ₂ thin films using citric or tartaric complexes as starting materials. <i>Solid State Ionics</i> , 2006, 177, 613-621.	2.7	19
20	Synthesis and characterization of cerium citric and tartaric complexes. <i>Journal of Alloys and Compounds</i> , 2008, 454, 491-500.	5.5	19
21	Photocatalytic degradation of the herbicide iodosulfuron by neodymium or nitrogen doped TiO ₂ . <i>Materials Chemistry and Physics</i> , 2012, 133, 1116-1126.	4.0	19
22	Lanthanide complexes with β^2 -diketones and coumarin derivatives: synthesis, thermal behaviour, optical and pharmacological properties and immobilisation. <i>Journal of Rare Earths</i> , 2010, 28, 66-74.	4.8	16
23	Spray pyrolysis deposition of YSZ and YSZ/Pt composite films. <i>Applied Surface Science</i> , 2005, 252, 1266-1275.	6.1	15
24	Highly Crystalline Y ₃ Fe ₅ O ₁₂ Thin Films by Citric Spray Pyrolysis. <i>Journal of Materials Synthesis and Processing</i> , 2002, 10, 283-288.	0.3	14
25	SiO ₂ /polyester hybrid for immobilization of Ru(II) complex as optical gas-phase oxygen sensor. <i>Journal of Materials Chemistry</i> , 2011, 21, 4893.	6.7	14
26	On the uranium content in some technogenic products potential environmental pollutants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1993, 176, 405-413.	1.5	13
27	On the chemical nature of lanthanum-titanium citric complexes, precursors of La ₂ Ti ₂ O ₇ . <i>Materials Letters</i> , 2004, 58, 3559-3563.	2.6	13
28	Spray-pyrolysis deposition of LaMnO ₃ and La _{1-x} CaxMnO ₃ thin films. <i>Applied Surface Science</i> , 2006, 252, 3441-3448.	6.1	13
29	The chemistry of the processes involved in the production of lanthanide titanates by the polymerized-complex method. <i>Canadian Journal of Chemistry</i> , 2007, 85, 547-559.	1.1	12
30	Oxygen detection using junctions based on thin films of yttria-stabilized zirconia doped with platinum nanoparticles and pure yttria-stabilized zirconia. <i>Sensors and Actuators A: Physical</i> , 2007, 137, 86-95.	4.1	12
31	Synthesis Conditions Impact on the Composition, Structure, and Fluorescence Properties of the Europium Dibenzoylmethane Complexes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2010, 40, 651-661.	0.6	11
32	Poly(methylmethacrylate) as immobilization matrix for europium β^2 -diketonates. Morphology and fluorescent properties. <i>Applied Surface Science</i> , 2011, 257, 6858-6866.	6.1	11
33	The thermal decomposition of solid state complexes of some rare earths (lanthanons) with bis-(2-ethylhexyl) phosphoric acid. <i>Thermochimica Acta</i> , 1994, 243, 27-34.	2.7	10
34	Yttrium-Zirconium Citric Complexes as Starting Material for Preparation of YSZ Powders and Layers. <i>Key Engineering Materials</i> , 2004, 264-268, 427-430.	0.4	10
35	Cerium(III/IV) and Cerium(IV)-Titanium(IV) Citric Complexes Prepared in Ethylene Glycol Medium. <i>Monatshefte für Chemie</i> , 2007, 138, 389-401.	1.8	10
36	Mechanochemical effects in U ₃ O ₈ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 262, 573-578.	1.5	9

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37	Thermochemical behaviour of Ru(II) complex-SiO ₂ microcomposites. <i>Bulletin of Materials Science</i> , 2007, 30, 511-520.	1.7	9
38	Morphology of sol-gel produced composite films for optical oxygen sensors. <i>Applied Surface Science</i> , 2008, 254, 1545-1558.	6.1	9
39	Polymetallic citric complexes as precursors for spray-pyrolysis deposition of thin LaFeO ₃ films. <i>Thin Solid Films</i> , 2014, 562, 43-48.	1.8	9
40	On the non-destructive neutron activation determination of uranium by the 106 KeV- γ -peak of neptunium-239. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1971, 257, 23-28.	0.8	8
41	Mechanochemistry of the 5f-element compounds. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 274, 481-490.	1.5	7
42	The photocatalytic degradation of 17 β -ethynylestradiol by pure and carbon nanotubes modified TiO ₂ under UVC illumination. <i>Open Chemistry</i> , 2012, 10, 1137-1148.	1.9	7
43	Photocatalytic degradation of some endocrine disrupting compounds by modified TiO ₂ under UV or halogen lamp illumination. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 109, 355-373.	1.7	7
44	Preparation and Characterization of Lanthanum-Titanium Tartrate Complexes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2003, 33, 223-240.	1.8	6
45	On the Chemistry of Pechini Process in Cerium Containing Systems. <i>Key Engineering Materials</i> , 2004, 264-268, 359-362.	0.4	6
46	Influence of the precursor nature and deposition mode on the oxygen sensing properties of Ru(II) complex immobilized in a SiO ₂ -based matrix. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4909-4916.	3.1	6
47	Photoluminescence response of Ru(II) complex immobilized in SiO ₂ -based matrix to dissolved oxygen in beer. <i>Journal of Proteomics</i> , 2008, 70, 1292-1296.	2.4	6
48	Mechanochemistry of the 5f-elements compounds. 5. Influence of the reaction medium on the mechanochemically induced reduction of U ₃ O ₈ . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 193-197.	1.5	6
49	An algorithm for data processing in neutron activation analysis. <i>Journal of Radioanalytical Chemistry</i> , 1981, 63, 13-21.	0.5	5
50	The sulfuric acid processing of rare earth concentrate with high calcium content: an attempted simplified mathematical description. <i>Hydrometallurgy</i> , 1993, 33, 359-365.	4.3	5
51	The Possibility for Separation of Lanthanum by Solid-State Complexes with 2-Ethylhexyl Phosphoric Acids. <i>Separation Science and Technology</i> , 1995, 30, 821-832.	2.5	5
52	Synthesis and characterization of yttrium-aluminum-iron and yttrium-cerium-iron citric complexes. <i>Journal of Rare Earths</i> , 2008, 26, 307-314.	4.8	5
53	Follow-up study: on the working time budget of a university teacher. 45 years self-observation. <i>Scientometrics</i> , 2014, 101, 2063-2070.	3.0	5
54	Non-destructive neutron activation determination of uranium by the 106 KeV- γ -Peak of neptunium-239. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1973, 266, 23-28.	0.8	4

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55	Purification of rare earth oxide mixtures from a concentrate obtained during the processing of apatite. Hydrometallurgy, 1991, 26, 369-378.	4.3	4
56	On the Liquid Membrane Extraction of Lanthanum and Neodymium. Separation Science and Technology, 1993, 28, 1641-1646.	2.5	4
57	Mixed-ligand solid state complexes of cerium with bis-(2-ethylhexyl) phosphoric acid. Journal of Alloys and Compounds, 1995, 223, 118-121.	5.5	4
58	Synthesis and characterization of Mn-, La-Mn- and La-Ca-Mn-citrates as precursors for LaMnO ₃ and La _{1-x} Ca _x MnO ₃ . Open Chemistry, 2005, 3, 263-278.	1.9	4
59	Ru(II) Complex Based Optical Oxygen Sensors. Advanced Materials Research, 2010, 123-125, 767-770.	0.3	4
60	Influence of ThO ₂ on the photocatalytic activity of TiO ₂ . Open Chemistry, 2011, 9, 1027-1038.	1.9	4
61	Mechanochemically induced synthesis of UO _{2+x} and uranium-thorium mixed oxides from sol-gel produced precursors. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 519-524.	1.5	4
62	Polymetallic citric complexes as precursors for spray-pyrolysis deposition of thin ferrite films. Applied Surface Science, 2011, 257, 7821-7826.	6.1	4
63	Instrumental neutron activation analysis of trace elements in quartz. Journal of Radioanalytical Chemistry, 1981, 62, 187-194.	0.5	3
64	Changes of yttrium-aluminium garnet by thermal and mechanochemical treatment. Materials Chemistry and Physics, 1994, 38, 383-386.	4.0	3
65	On the working time budget of the university teacher. Scientometrics, 1997, 40, 13-21.	3.0	3
66	Mechanochemistry of the 5f-element compounds. Journal of Radioanalytical and Nuclear Chemistry, 2007, 274, 473-479.	1.5	3
67	Neutron activation determination of uranium by coprecipitation of neptunium-239 on zirconium phosphate. Journal of Radioanalytical Chemistry, 1974, 21, 445-451.	0.5	2
68	Combined laser-magnetic field treatment of Y ₃ Fe ₅ O ₁₂ films grown by spray pyrolysis from Y-Fe citric complex initial solutions. , 2001, , .		2
69	Mechanochemistry of the 5f-element compounds. Journal of Radioanalytical and Nuclear Chemistry, 2007, 274, 465-471.	1.5	2
70	Mechanochemical synthesis of some europium diketonates. Open Chemistry, 2011, 9, 290-299.	1.9	2
71	Chemical Forms of ³⁵ S in KCl Crystals Doped with Elementary ³⁵ S (Part I). Radiochimica Acta, 1983, 32, 191-196.	1.2	2
72	Optimization of calculations for the preparation of standard solutions. Analytica Chimica Acta, 1981, 123, 303-308.	5.4	1

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73	Activation autoradiography for a study of the selective and microheterogeneous distribution of Cu(II) in $\text{NH}_4\text{Al}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$ monocrystals. <i>Journal of Radioanalytical Chemistry</i> , 1982, 68, 117-126.	0.5	1
74	Radioanalytical method for determination of the chemical forms of ^{35}S hot atoms in reactor-irradiated $\text{AlCl}_3 \cdot \text{FeCl}_3$. <i>Journal of Radioanalytical Chemistry</i> , 1982, 75, 107-111.	0.5	1
75	Radioanalytical methods in the hot atom chemistry of sulfur in inorganic systems. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1985, 88, 97-108.	1.5	1
76	Synthesis and characterization of Al- and Y-Al-citrates as potential precursors for YAlO_3 . <i>Open Chemistry</i> , 2006, 4, 632-645.	1.9	1
77	Influence of complexation on the composition of equilibrium phases in the system of $\text{Ce}_2(\text{SO}_4)_3$ - $\text{La}_2(\text{SO}_4)_3$. <i>Open Chemistry</i> , 2007, 5, 13-19.	1.9	1
78	Mechanochemical synthesis of thenoyltrifluoroacetone-1,10-phenanthroline europium complex. <i>Open Chemistry</i> , 2012, 10, 1907-1912.	1.9	1
79	Crystal structure of tetrabutylammonium [tetrakis(dibenzoylmethanato) europium(III)] \cdot dimethyl sulfoxide (1:1), $[\text{N}(\text{C}_4\text{H}_9)_4][\text{Eu}(\text{C}_{15}\text{H}_{11}\text{O}_2)_4] \cdot \text{C}_2\text{H}_6\text{OS}$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2010, 225, 17-22.	0.3	1
80	A method for the determination of polonium in air. <i>Journal of Radioanalytical Chemistry</i> , 1978, 42, 411-415.	0.5	0
81	Chemical Forms and Behaviour of Sulphur-35 in Reactor Irradiated Crystals $\text{AlCl}_3 \cdot \text{FeCl}_3$. <i>Radiochimica Acta</i> , 1983, 34, 181-188.	1.2	0
82	Influence of Thermal and Radiation Treatment on the Chemical Forms of ^{35}S in KCl Crystals Doped with Elementary ^{35}S (Part II). <i>Radiochimica Acta</i> , 1983, 32, 197-200.	1.2	0
83	Some autoradiographic observations on alkali chloride crystals containing ^{35}S . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986, 98, 365-370.	1.5	0
84	Synthesis and IR-Spectral Characterization of Mixed-Ligand Solid State Complexes of Some Lanthanoides with Mono-(2-ethylhexyl) Phosphoric Acid. <i>Spectroscopy Letters</i> , 1996, 29, 1297-1305.	1.0	0
85	Conversion of yttrium-aluminum garnet to soluble forms as a result of mechanochemical treatment. <i>Monatshefte Für Chemie</i> , 1997, 128, 593-598.	1.8	0
86	Changes of the Dispersive and Phase Composition of Cerox Type Polishing Material as a Result of Exploitation and Mechanoactivation. <i>Crystal Research and Technology</i> , 1997, 32, 689-694.	1.3	0
87	Chemistry of the Pechini Process in Cerium-Containing Systems. <i>ChemInform</i> , 2005, 36, no.	0.0	0
88	Mechanochemical effects in U_3O_8 . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2005, 262, 573-578.	1.5	0
89	The radioactivity and the chemical nature of additives as factors determining the photocatalytic activity of TiO_2 . <i>Open Chemistry</i> , 2012, 10, 1850-1858.	1.9	0