

# Dimitar Todorovsky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4921046/publications.pdf>

Version: 2024-02-01

89  
papers

1,001  
citations

394421

19  
h-index

526287

27  
g-index

89  
all docs

89  
docs citations

89  
times ranked

1159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymetallic citric complexes as precursors for spray-pyrolysis deposition of thin LaFeO <sub>3</sub> films. <i>Thin Solid Films</i> , 2014, 562, 43-48.	1.8	9
2	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
3	Surface Roughness Characterization of Poly(methylmethacrylate) Films with Immobilized Eu(III) $\beta$ -Diketonates by Fractal Analysis. <i>International Journal of Polymer Analysis and Characterization</i> , 2014, 19, 404-421.	1.9	40
4	Photocatalytic degradation of some endocrine disrupting compounds by modified TiO <sub>2</sub> under UV or halogen lamp illumination. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 109, 355-373.	1.7	7
5	The radioactivity and the chemical nature of additives as factors determining the photocatalytic activity of TiO <sub>2</sub> . <i>Open Chemistry</i> , 2012, 10, 1850-1858.	1.9	0
6	Mechanochemical synthesis of thenoyltrifluoroacetone-1,10-phenanthroline europium complex. <i>Open Chemistry</i> , 2012, 10, 1907-1912.	1.9	1
7	Synthesis, characterization and photocatalytic activity of neodymium, nitrogen and neodymium-nitrogen doped TiO <sub>2</sub> . <i>Materials Research Bulletin</i> , 2012, 47, 2165-2177.	5.2	30
8	Influence of gamma-irradiation on the photocatalytic activity of Degussa P25 TiO <sub>2</sub> . <i>Journal of Materials Science</i> , 2012, 47, 4936-4945.	3.7	32
9	Photocatalytic degradation of the herbicide iodosulfuron by neodymium or nitrogen doped TiO <sub>2</sub> . <i>Materials Chemistry and Physics</i> , 2012, 133, 1116-1126.	4.0	19
10	The photocatalytic degradation of 17 $\beta$ -ethynylestradiol by pure and carbon nanotubes modified TiO <sub>2</sub> under UVC illumination. <i>Open Chemistry</i> , 2012, 10, 1137-1148.	1.9	7
11	SiO <sub>2</sub> /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
12	Mechanochemical synthesis of some europium diketonates. <i>Open Chemistry</i> , 2011, 9, 290-299.	1.9	2
13	Influence of ThO <sub>2</sub> on the photocatalytic activity of TiO <sub>2</sub> . <i>Open Chemistry</i> , 2011, 9, 1027-1038.	1.9	4
14	Mechanochemistry of the 5f-elements compounds. 5. Influence of the reaction medium on the mechanochemically induced reduction of U <sub>3</sub> O <sub>8</sub> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 193-197.	1.5	6
15	Mechanochemically induced synthesis of UO <sub>2+x</sub> and uranium-thorium mixed oxides from sol-gel produced precursors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 519-524.	1.5	4
16	Poly(methylmethacrylate) as immobilization matrix for europium $\beta$ -diketonates-Morphology and fluorescent properties. <i>Applied Surface Science</i> , 2011, 257, 6858-6866.	6.1	11
17	Polymetallic citric complexes as precursors for spray-pyrolysis deposition of thin ferrite films. <i>Applied Surface Science</i> , 2011, 257, 7821-7826.	6.1	4
18	Crystal structure, morphology and photocatalytic activity of modified TiO <sub>2</sub> and of spray-deposited TiO <sub>2</sub> films. <i>Catalysis Today</i> , 2010, 151, 14-20.	4.4	32

#	ARTICLE	IF	CITATIONS
19	Lanthanide complexes with $\beta^2$ -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
20	Ru(II) Complex Based Optical Oxygen Sensors. <i>Advanced Materials Research</i> , 2010, 123-125, 767-770.	0.3	4
21	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
22	Crystal structure of tetrabutylammonium [tetrakis(dibenzoylmethanato) europium(III)] $\cdot$ dimethyl sulfoxide (1:1), $[N(C_4H_9)_4][Eu(C_{15}H_{11}O_2)_4] \cdot C_2H_6OS$ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2010, 225, 17-22.	0.3	1
23	On the spray-drying deposition of TiO <sub>2</sub> photocatalytic films. <i>Applied Surface Science</i> , 2009, 256, 830-837.	6.1	24
24	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
25	Lanthanide-doped titanium dioxide layers as photocatalysts. <i>Applied Surface Science</i> , 2008, 254, 7296-7302.	6.1	33
26	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
27	Morphology of sol-gel produced composite films for optical oxygen sensors. <i>Applied Surface Science</i> , 2008, 254, 1545-1558.	6.1	9
28	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
29	Influence of the precursor nature and deposition mode on the oxygen sensing properties of Ru(II) complex immobilized in a SiO <sub>2</sub> -based matrix. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4909-4916.	3.1	6
30	Synthesis and characterization of cerium citric and tartaric complexes. <i>Journal of Alloys and Compounds</i> , 2008, 454, 491-500.	5.5	19
31	Photoluminescence response of Ru(II) complex immobilized in SiO <sub>2</sub> -based matrix to dissolved oxygen in beer. <i>Journal of Proteomics</i> , 2008, 70, 1292-1296.	2.4	6
32	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
33	Deposition and characterization of La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> thin films via spray pyrolysis process. <i>Applied Surface Science</i> , 2007, 253, 4560-4565.	6.1	21
34	Photoelectrochemical characterisation and photocatalytic activity of composite La <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> coatings on stainless steel. <i>Applied Catalysis B: Environmental</i> , 2007, 73, 23-33.	20.2	24
35	Influence of complexation on the composition of equilibrium phases in the system of Ce <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> -La <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> . <i>Open Chemistry</i> , 2007, 5, 13-19.	1.9	1
36	Mechanochemistry of the 5f-element compounds. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 274, 465-471.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Mechanochemistry of the 5f-element compounds. Journal of Radioanalytical and Nuclear Chemistry, 2007, 274, 473-479.	1.5	3
38	Mechanochemistry of the 5f-element compounds. Journal of Radioanalytical and Nuclear Chemistry, 2007, 274, 481-490.	1.5	7
39	Cerium(III/IV) and Cerium(IV)-Titanium(IV) Citric Complexes Prepared in Ethylene Glycol Medium. Monatshefte für Chemie, 2007, 138, 389-401.	1.8	10
40	Thermochemical behaviour of Ru(II) complex-SiO <sub>2</sub> microcomposites. Bulletin of Materials Science, 2007, 30, 511-520.	1.7	9
41	Oxygen detection using junctions based on thin films of yttria-stabilized zirconia doped with platinum nanoparticles and pure yttria-stabilized zirconia. Sensors and Actuators A: Physical, 2007, 137, 86-95.	4.1	12
42	Photocatalytic properties of TiO <sub>2</sub> modified with gold nanoparticles in the degradation of oxalic acid in aqueous solution. Applied Catalysis A: General, 2006, 313, 115-121.	4.3	87
43	Spray-pyrolysis deposition of LaMnO <sub>3</sub> and La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> thin films. Applied Surface Science, 2006, 252, 3441-3448.	6.1	13
44	Synthesis and characterization of Al- and Y-Al-citrates as potential precursors for YAlO <sub>3</sub> . Open Chemistry, 2006, 4, 632-645.	1.9	1
45	Spray-pyrolysis deposition of CeO <sub>2</sub> thin films using citric or tartaric complexes as starting materials. Solid State Ionics, 2006, 177, 613-621.	2.7	19
46	Thermal decomposition of zirconium-yttrium citric complexes prepared in ethylene glycol and water media. Materials Research Bulletin, 2006, 41, 576-589.	5.2	26
47	Spray pyrolysis deposition of YSZ and YSZ-Pt composite films. Applied Surface Science, 2005, 252, 1266-1275.	6.1	15
48	Synthesis and characterization of Mn-, La-Mn- and La-Ca-Mn-citrates as precursors for LaMnO <sub>3</sub> and La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . Open Chemistry, 2005, 3, 263-278.	1.9	4
49	Chemistry of the Pechini Process in Cerium-Containing Systems. ChemInform, 2005, 36, no.	0.0	0
50	Mechanochemical effects in U <sub>3</sub> O <sub>8</sub> . Journal of Radioanalytical and Nuclear Chemistry, 2005, 262, 573-578.	1.5	0
51	Yttrium-Zirconium Citric Complexes as Starting Material for Preparation of YSZ Powders and Layers. Key Engineering Materials, 2004, 264-268, 427-430.	0.4	10
52	Mechanochemical effects in U <sub>3</sub> O <sub>8</sub> . Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 573-578.	1.5	9
53	On the Chemistry of Pechini Process in Cerium Containing Systems. Key Engineering Materials, 2004, 264-268, 359-362.	0.4	6
54	On the chemical nature of lanthanum-titanium citric complexes, precursors of La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . Materials Letters, 2004, 58, 3559-3563.	2.6	13

#	ARTICLE	IF	CITATIONS
55	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
56	Thermal decomposition of yttrium-iron citrates prepared in ethylene glycol medium. <i>Materials Letters</i> , 2002, 55, 41-45.	2.6	35
57	Spray pyrolysis deposition of $\text{Y-Fe}_2\text{O}_3$ thin films using iron (III) citric complexes. <i>Materials Letters</i> , 2002, 56, 770-774.	2.6	26
58	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
59	Highly Crystalline $\text{Y}_3\text{Fe}_5\text{O}_{12}$ Thin Films by Citric Spray Pyrolysis. <i>Journal of Materials Synthesis and Processing</i> , 2002, 10, 283-288.	0.3	14
60	Combined laser-magnetic field treatment of $\text{Y}_3\text{Fe}_5\text{O}_{12}$ films grown by spray pyrolysis from Y-Fe citric complex initial solutions. , 2001, , .		2
61	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
62	On the working time budget of the university teacher. <i>Scientometrics</i> , 1997, 40, 13-21.	3.0	3
63	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
64	Influence of mechanoactivation on rare earths leaching from phosphogypsum. <i>Hydrometallurgy</i> , 1997, 45, 13-19.	4.3	27
65	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
66	Synthesis and IR-Spectral Characterization of Mixed-Ligand Solid State Complexes of Some Lanthanoids with Mono-(2-ethylhexyl) Phosphoric Acid. <i>Spectroscopy Letters</i> , 1996, 29, 1297-1305.	1.0	0
67	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
68	Mixed-ligand solid state complexes of cerium with bis-(2-ethylhexyl) phosphoric acid. <i>Journal of Alloys and Compounds</i> , 1995, 223, 118-121.	5.5	4
69	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
70	Changes of yttrium-aluminium garnet by thermal and mechanochemical treatment. <i>Materials Chemistry and Physics</i> , 1994, 38, 383-386.	4.0	3
71	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
72	Solubility of some lanthanide sulfates in polycomponent systems containing $\text{H}_2\text{SO}_4$ . <i>Monatshefte für Chemie</i> , 1993, 124, 673-679.	1.8	19

#	ARTICLE	IF	CITATIONS
73	On the uranium content in some technogenic products potential environmental pollutants. Journal of Radioanalytical and Nuclear Chemistry, 1993, 176, 405-413.	1.5	13
74	On the Liquid Membrane Extraction of Lanthanum and Neodymium. Separation Science and Technology, 1993, 28, 1641-1646.	2.5	4
75	Purification of rare earth oxide mixtures from a concentrate obtained during the processing of apatite. Hydrometallurgy, 1991, 26, 369-378.	4.3	4
76	Some autoradiographic observations on alkali chloride crystals containing <sup>35</sup> S. Journal of Radioanalytical and Nuclear Chemistry, 1986, 98, 365-370.	1.5	0
77	Radioanalytical methods in the hot atom chemistry of sulfur in inorganic systems. Journal of Radioanalytical and Nuclear Chemistry, 1985, 88, 97-108.	1.5	1
78	Chemical Forms and Behaviour of Sulphur-35 in Reactor Irradiated Crystals AlCl <sub>3</sub> ·FeCl <sub>3</sub> . Radiochimica Acta, 1983, 34, 181-188.	1.2	0
79	Influence of Thermal and Radiation Treatment on the Chemical Forms of <sup>35</sup> S in KCl Crystals Doped with Elementary <sup>35</sup> S (Part II). Radiochimica Acta, 1983, 32, 197-200.	1.2	0
80	Chemical Forms of <sup>35</sup> S in KCl Crystals Doped with Elementary <sup>35</sup> S (Part I). Radiochimica Acta, 1983, 32, 191-196.	1.2	2
81	Activation autoradiography for a study of the selective and microheterogeneous distribution of Cu(II) in NH <sub>4</sub> Al(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O monocrystals. Journal of Radioanalytical Chemistry, 1982, 68, 117-126.	0.5	1
82	Radioanalytical method for determination of the chemical forms of <sup>35</sup> S hot atoms in reactor-irradiated AlCl <sub>3</sub> ·FeCl <sub>3</sub> . Journal of Radioanalytical Chemistry, 1982, 75, 107-111.	0.5	1
83	Optimization of calculations for the preparation of standard solutions. Analytica Chimica Acta, 1981, 123, 303-308.	5.4	1
84	Instrumental neutron activation analysis of trace elements in quartz. Journal of Radioanalytical Chemistry, 1981, 62, 187-194.	0.5	3
85	An algorithm for data processing in neutron activation analysis. Journal of Radioanalytical Chemistry, 1981, 63, 13-21.	0.5	5
86	A method for the determination of polonium in air. Journal of Radioanalytical Chemistry, 1978, 42, 411-415.	0.5	0
87	Neutron activation determination of uranium by coprecipitation of neptunium-239 on zirconium phosphate. Journal of Radioanalytical Chemistry, 1974, 21, 445-451.	0.5	2
88	Non-destructive neutron activation determination of uranium by the 106 KeV- $\gamma$ -Peak of neptunium-239. Fresenius Zeitschrift für Analytische Chemie, 1973, 266, 23-28.	0.8	4
89	On the non-destructive neutron activation determination of uranium by the 106 KeV- $\gamma$ -peak of neptunium-239. Fresenius Zeitschrift für Analytische Chemie, 1971, 257, 23-28.	0.8	8