

Stephane Daniele

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125
papers

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40
g-index

137
ext. papers

2,530
ext. citations

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avg, IF

4.98
L-index

#	Paper	IF	Citations
125	Metal-Organic Derivatives with Fluorinated Ligands as Precursors for Inorganic Nanomaterials. <i>Chemical Reviews</i> , 2015 , 115, 8379-448	68.1	112
124	Metal 2-ethylhexanoates and related compounds as useful precursors in materials science. <i>Chemical Society Reviews</i> , 2007 , 36, 1770-87	58.5	69
123	Low temperature and aqueous sol-gel deposit of photocatalytic active nanoparticulate TiO ₂ . <i>Journal of Materials Chemistry</i> , 2003 , 13, 342-346		69
122	Single-Source Precursors of Lead Titanate: Synthesis, Molecular Structure and Reactivity of Pb ₂ Ti ₂ (μ ₄ -O)(μ ₃ -O-i-Pr) ₂ (μ-O-i-Pr) ₄ (O-i-Pr) ₄ . <i>Inorganic Chemistry</i> , 1995 , 34, 628-632	5.1	58
121	Practical oxidation of sulfides to sulfones by H ₂ O ₂ catalysed by titanium catalyst. <i>Green Chemistry</i> , 2008 , 10, 447	10	57
120	Novel barium-organic incorporated iodometalates: do they have template properties for constructing rare heterotrimetallic hybrids?. <i>Inorganic Chemistry</i> , 2014 , 53, 11721-31	5.1	52
119	Reactions of metal iodides as a simple route to heterometallics: synthesis, structural transformations, thermal and luminescent properties of novel hybrid iodoargentate derivatives templated by [YL ₈] ³⁺ or [YL ₇] ³⁺ cations (L = DMF or DMSO). <i>Dalton Transactions</i> , 2008 , 6296-304	4.3	51
118	Novel heterometal-organic complexes as first single source precursors for up-converting NaY(Ln)F ₄ (Ln = Yb, Er, Tm) nanomaterials. <i>Dalton Transactions</i> , 2012 , 41, 1490-502	4.3	49
117	Solid- and solution phase transformations in novel hybrid iodoplumbate derivatives templated by solvated yttrium complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 9333-43	5.1	47
116	Single-source Precursors for BaTiO ₃ : Synthesis and Characterization of β-Diketonato Alkoxides and Molecular Structure of Ba ₂ Ti ₂ (thd) ₄ (μ ₃ -OEt) ₂ (μ-OEt) ₄ (OEt) ₂ (EtOH) ₂ . <i>Chemistry of Materials</i> , 1994 , 6, 2336-2342	9.6	44
115	Synthesis and structures of crystalline dilithium diamides and aminolithium amides derived from N,N'-disubstituted 1,2-diaminobenzenes or 1,8-diaminonaphthalene. <i>Dalton Transactions RSC</i> , 2001 , 3179-3188		43
114	Reduced {001}-TiO photocatalysts: noble-metal-free CO photoreduction for selective CH evolution. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13875-13881	3.6	42
113	Pressure-induced polymorphism in TiO ₂ nanoparticles. <i>Physical Review B</i> , 2010 , 82,	3.3	41
112	Heterometallic Na-Y(Ln) trifluoroacetate diglyme complexes as novel single-source precursors for upconverting NaYF ₄ nanocrystals co-doped with Yb and Er/Tm ions. <i>Chemical Communications</i> , 2010 , 46, 3756-8	5.8	41
111	Lanthanide complexes in hybrid halometallate materials: interconversion between a novel 2D microporous framework and a 1D zigzag chain structure of iodoargentates templated by octakis-solvated terbium(III) cation. <i>Dalton Transactions</i> , 2009 , 4954-61	4.3	41
110	Synthesis and Characterization of Ruthenium Terpyridine Dioxolene Complexes: Resonance Equilibrium between Ru(II)Catechol and Ru(II)Semiquinone Forms. <i>Bulletin of the Chemical Society of Japan</i> , 1998 , 71, 867-875	5.1	41
109	Amorphization in Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11133-11140	3.8	40

108	Crystal-to-crystal transformations in heterometallic yttrium(III)-copper(I) iodide derivatives in a confined solvent-free environment: influence of solvated yttrium cations on the nuclearity and dimensionality of iodocuprate clusters. <i>Dalton Transactions</i> , 2008 , 620-30	4.3	40
107	Direct synthesis of hexagonal NaGdF ₃ nanocrystals from a single-source precursor: upconverting NaGdF ₃ Yb ³⁺ , Tm ³⁺ and its composites with TiO ₂ for near-IR-driven photocatalysis. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2415-21	4.5	39
106	Combination of two catalytic sites in a novel nanocrystalline TiO ₂ /iron tetrasulfophthalocyanine material provides better catalytic properties. <i>New Journal of Chemistry</i> , 2005 , 29, 1245	3.6	39
105	Thermal condensation of trinuclear lanthanide butoxides. Molecular structure of La ₅ (β-O)(β-OtBu) ₄ (EtOtBu) ₄ (OtBu) ₅ . <i>Inorganic Chemistry Communication</i> , 2000 , 3, 218-220	3.1	39
104	Solution routes to lead titanate: synthesis, molecular structure and reactivity of the Pb ^{II} and Pb ^{Zr} species formed between various lead oxide precursors and titanium or zirconium alkoxides. Molecular structure of Pb ₂ Ti ₂ (μ ₄ -O)(OAc) ₂ (OPri) ₈ and of Pb ₂ Zr ₃ (μ ₄ -O)(OAc) ₂ (OPri) ₁₀ . <i>Journal of Materials Chemistry</i> , 1997 , 7, 753-762		37
103	Praseodymium alkoxide chemistry: synthesis and molecular structure of [Pr ₄ (β-O) ₂ (β, β-OR) ₂ (μ ₂ -OR) ₄ (μ ₃ -OR)(OR)(OPMe ₃) ₂] (R = C ₂ H ₄ OMe) and [Y ₄ Pr(β-O)(β-OR) ₄ (OR) ₄ (OR) ₅] (R = Pri). <i>Polyhedron</i> , 1997 , 16, 1223-1234	2.7	36
102	Aerobic methylcyclohexane-promoted epoxidation of stilbene over gold nanoparticles supported on Gd-doped titania. <i>Dalton Transactions</i> , 2010 , 39, 8457-63	4.3	35
101	Synthesis, structures and catalytic properties of chelating N,N'-bis(silylated) 1,2-benzenediamidozirconium(IV) chlorides [and a titanium(IV) analogue] and dimethylamides. <i>Dalton Transactions RSC</i> , 2001 , 13-19		33
100	Heterometallic, Hybrid, Heavy Main-Group Iodometallates Containing Lanthanide Complexes: Template Synthesis, Structures, Thermal, Optical, Luminescent and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2749-2758	2.3	32
99	Homoleptic gallium(III) and indium(III) aminoalkoxides as precursors for sol-gel routes to metal oxide nanomaterials. <i>Dalton Transactions</i> , 2009 , 2569-77	4.3	30
98	Novel heteroleptic heterobimetallic alkoxide complexes as facile single-source precursors for Ta(5+) doped TiO ₂ -SnO ₂ nanoparticles. <i>Inorganic Chemistry</i> , 2010 , 49, 11184-9	5.1	29
97	Dimethyl selenide complexes of copper, gallium and indium halides as potential precursors for selenium-containing chalcopyrite semiconducting materials. <i>Polyhedron</i> , 2010 , 29, 500-506	2.7	29
96	Rare example of a polynuclear heterometallic yttrium(III)-copper(I) iodide cluster with a [Y ₆ (β-O)(β-OH) ₈] ⁸⁺ core structure showing single crystal-to-single crystal transformation. <i>CrystEngComm</i> , 2008 , 10, 814	3.3	29
95	Photocatalytic degradation and mineralization of a malodorous compound (dimethyldisulfide) using a continuous flow reactor. <i>Catalysis Today</i> , 2007 , 122, 160-167	5.3	29
94	Synthesis of para-Amino Benzoic Acid/TiO ₂ Hybrid Nanostructures of Controlled Functionality by an Aqueous One-Step Process. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 980-987	2.3	29
93	A molecular precursor approach to monodisperse scintillating CeF ₃ nanocrystals. <i>Dalton Transactions</i> , 2013 , 42, 12633-43	4.3	28
92	Molecular structures of volatile Ce(IV) tetrafluoroisopropoxide complexes with TMEDA and diglyme. CVD experiments. <i>Polyhedron</i> , 2002 , 21, 1985-1990	2.7	28
91	Synthesis and molecular structure of [Sm ₄ Ti(β-O)(β-OR) ₂ (OR) ₆ (OR) ₆] (R = Pri): A novel framework for heteronuclear alkoxides with a 1:4 stoichiometry. <i>Polyhedron</i> , 1994 , 13, 927-932	2.7	28

90	Interface Energy Impact on Phase Transitions: The Case of TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22286-22291	3.8	27
89	Design of hybrid titania nanocrystallites as supports for gold catalysts. <i>Chemical Communications</i> , 2009 , 3116-8	5.8	26
88	Intense visible emission from ZnO/PAAX (X = H or Na) nanocomposite synthesized via a simple and scalable sol-gel method. <i>Scientific Reports</i> , 2016 , 6, 23557	4.9	24
87	Building of lanthanide oxoalkoxides: Synthesis and molecular structure of [Gd ₆ (μ ₃ -O)(μ ₂ , μ ₃ -OR) ₄ (R, μ ₂ -OR) ₆ (μ ₂ -OR) ₂ (OR) ₄] (R = C ₂ H ₄ OMe). <i>Polyhedron</i> , 1996 , 15, 1063-1070	2.7	24
86	A Single Source Precursor Route to Group 13 Homo- and Heterometallic Oxides as Highly Active Supports for Gold-Catalyzed Aerobic Epoxidation of trans-Stilbene. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 500-510	2.3	23
85	Functional homo- and heterometallic alkoxides as precursors for sol-gel routes to transparent ZnGa ₂ O ₄ coatings. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2519-2524		23
84	Molecular Engineering of Metal Alkoxides for Solution Phase Synthesis of High-Tech Metal Oxide Nanomaterials. <i>Chemistry - A European Journal</i> , 2020 , 26, 9292-9303	4.8	22
83	Zn-Assisted TiO ₂ Photocatalyst with Efficient Charge Separation for Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 17068-17076	3.8	22
82	Aminoalkoxo-supported heteroleptic hexanuclear gallium(III) wheel as a synthon for group 13 heterometallics: a rare sol-gel precursor for mixed Al-Ga oxide as support for gold catalysts. <i>Dalton Transactions</i> , 2010 , 39, 7440-3	4.3	22
81	Thermal dehydration of Y(TFA) ₃ (H ₂ O) ₃ : Synthesis and molecular structures of [Y(μ ₃ -O-TFA) ₃ (THF)(H ₂ O)] ₁ ·THF and [Y ₄ (μ ₃ -OH) ₄ (μ ₃ -O-TFA) ₆ (μ ₂ -TFA)(THF) ₃ (DMSO)(H ₂ O)] ₁ ·6THF (TFA=trifluoroacetate). <i>Inorganic Chemistry Communication</i> , 2009 , 12, 97-100	3.1	22
80	Internalisation of hybrid titanium dioxide/para-amino benzoic acid nanoparticles in human dendritic cells did not induce toxicity and changes in their functions. <i>Toxicology Letters</i> , 2010 , 199, 34-42	4.4	21
79	Preparation of NiCoP-decorated g-C ₃ N ₄ as an efficient photocatalyst for H ₂ O ₂ production. <i>Research on Chemical Intermediates</i> , 2019 , 45, 5907-5917	2.8	20
78	A Facile Molecular Precursor-based Synthesis of Ag ₂ Se Nanoparticles and Its Composites with TiO ₂ for Enhanced Photocatalytic Activity. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1658-63	4.5	19
77	Solid-state structural transformations in metal organic-inorganic hybrids constructed from terbium(III) complexes and iodocuprate clusters. <i>CrystEngComm</i> , 2012 , 14, 3894	3.3	19
76	Influence of Na ⁺ ion doping on the phase change and upconversion emissions of the GdF ₃ : Yb ³⁺ , Tm ³⁺ nanocrystals obtained from the designed molecular precursors. <i>RSC Advances</i> , 2015 , 5, 100535-100545	3.7	18
75	Structural isomers of iron(III) N-methyl diethanolamine as sol-gel precursors for iron-based oxide nanomaterials. <i>RSC Advances</i> , 2016 , 6, 1738-1743	3.7	17
74	A convenient and quantitative route to Sn(IV)-M [M = Ti(IV), Nb(V), Ta(V)] heterobimetallic precursors for dense mixed-metal oxide ceramics. <i>Dalton Transactions</i> , 2015 , 44, 6848-62	4.3	17
73	Modification of acid-base properties of TiO ₂ by Nb and Mg dopants: Influence on the activity of Pd/Cu/(Mg, Nb)/TiO ₂ catalysts for nitrate hydrogenation. <i>Applied Catalysis A: General</i> , 2013 , 467, 414-420	5.1	16

72	Activation of lanthanide acetates via heterometallic alkoxides: Synthesis and molecular structure of Gd ₂ Zr ₆ (β-O) ₂ (EOAc) ₆ (EOPri) ₁₀ (OPri) ₁₀ . <i>Polyhedron</i> , 1993 , 12, 2091-2096	2.7	16
71	Pressure-Induced Disorder in SnO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15463-15471	5.871	15
70	Synthesis and characterization of niobium(V) and tantalum(V) derivatives with diamido ligands. Molecular structure of {4,5-Me ₂ -o-C ₆ H ₂ (NSiMe ₃) ₂ } ₂ NbCl and of a tantalum imide. <i>Polyhedron</i> , 2001 , 20, 2405-2414	2.7	15
69	Thermodynamics of nanoparticles: experimental protocol based on a comprehensive Ginzburg-Landau interpretation. <i>Nano Letters</i> , 2014 , 14, 269-76	11.5	14
68	One-pot deposition of palladium on hybrid TiO ₂ nanoparticles and catalytic applications in hydrogenation. <i>Journal of Colloid and Interface Science</i> , 2012 , 369, 309-16	9.3	14
67	SH-functionalized cubic mesostructured silica as a support for small gold nanoparticles. <i>RSC Advances</i> , 2013 , 3, 725-728	3.7	14
66	Cost efficient synthesis of bismuth aminoalkoxides from bismuth oxide: Molecular structure of [Bi ₂ (mdea) ₂ (mdeaH) ₂](mdeaH ₂) ₂ . <i>Inorganic Chemistry Communication</i> , 2007 , 10, 80-83	3.1	14
65	Heteroleptic Tin(IV) Aminoalkoxides and Aminofluoroalkoxides as MOCVD Precursors for Undoped and F-Doped SnO Thin Films. <i>Inorganic Chemistry</i> , 2020 , 59, 7167-7180	5.1	13
64	Molecular structure of [In ₂ (III-OR)(II-OR)(I-OR) ₃ (I-OR)] R=C ₂ H ₄ NMe ₂ , a pincer ligand. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 347-350	3.1	13
63	Interfacial study of surface-modified ZrO ₂ nanoparticles with thioctic acid for the selective recovery of palladium and gold from electronic industrial wastewater. <i>Separation and Purification Technology</i> , 2020 , 237, 116353	8.3	13
62	Surface modification of titanium oxide nanoparticles with chelating molecules: New recognition devices for controlling the selectivity towards lanthanides ionic separation. <i>Separation and Purification Technology</i> , 2015 , 147, 220-226	8.3	12
61	Syntheses and structures of novel hafnium chloroamido mono-amidinate and mono-guanidinate as precursors for HfO ₂ thin film. <i>Polyhedron</i> , 2010 , 29, 2522-2526	2.7	12
60	Preparations of nano-particles, nano-composites and fibers of ZnO from an amide precursor: Photocatalytic decomposition of (CH ₃) ₂ S ₂ in a continuous flow reactor. <i>Materials Research Bulletin</i> , 2006 , 41, 2210-2218	5.1	12
59	Modeling Energy Migration for Upconversion Materials. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 888-893	3.3	12
58	Reactions of coordinated alcohol as a route to mixed-metal La ₂ Zn alkoxides: molecular structure of La ₂ Zn ₃ (EOBut) ₆ [N(SiMe ₃) ₂] ₃ . <i>Polyhedron</i> , 1998 , 17, 4249-4256	2.7	11
57	Effect of titanium additives on the growth of tellurium dioxide crystals in a sol-gel process. <i>Materials Letters</i> , 2005 , 59, 2379-2382	3.3	11
56	The quest for single-source precursors for BaTiO ₃ and SrTiO ₃ . <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 49-53	2.3	10
55	Lanthanide molecular oxohydroxides: Synthesis and characterisation of [Y ₄ (β-O)(EOEt) ₂ (II-AAA) ₂ (I-AAA) ₃] ₂ (β-OH) ₄ (β-OEt) ₂ (HAAA=allylacetatoacetate). <i>Inorganic Chemistry Communication</i> , 2007 , 10, 143-147	3.1	10

54	Synthesis and structures of dinuclear low-coordinate lithium and zirconium(IV) complexes derived from the diamido ligands 1,3-(CH ₂ C ₆ H ₃ R ₁) ₂ C ₆ H ₄ (R ₁ = Me or Pri). <i>Dalton Transactions RSC</i> , 2002 , 3980-3984	10
53	SERS self-monitoring of Ag-catalyzed reaction by magnetically separable mesoporous Fe ₃ O ₄ @Ag@mSiO ₂ . <i>Microporous and Mesoporous Materials</i> , 2018 , 263, 113-119	5-3 9
52	Asymmetrically substituted triazenes as poor electron donor ligands in the precursor chemistry of iron(II) for iron-based metallic and intermetallic nanocrystals. <i>Dalton Transactions</i> , 2017 , 46, 13055-13064	4-3 9
51	From molecules to materials: some examples in yttrium and lanthanide chemistry. <i>Comptes Rendus Chimie</i> , 2004 , 7, 521-527	2-7 9
50	Synthesis of nanocrystalline Y ₂ O ₃ /Pr ³⁺ from heterometallic alkoxide via sol-gel process. <i>Materials Letters</i> , 2004 , 58, 1989-1992	3-3 9
49	Water adducts of aryloxides: synthesis and molecular structure of Pr[OC ₆ H ₂ (CH ₂ NMe ₂) _{3-2,4,6}] ₃ (H ₂ O) ₂ . <i>Polyhedron</i> , 1995 , 14, 327-330	2-7 9
48	Remarkable Influence of molecular structure of N,N'-unsymmetrically substituted 1,3-amidinate and -guanidinate on the Volatility and the Thermal Stability of Precursors for HfO ₂ Films via Liquid Injection-MOCVD. <i>ECS Transactions</i> , 2009 , 25, 151-158	1 8
47	Synthesis, characterisation and grafting onto silica of alkoxide-bridged lanthanum complexes. Molecular structure of La(OC ₆ H _{3-2,6} -Me ₂) ₂ (η -O ₃ SCF ₃)(tetraglyme). <i>Polyhedron</i> , 2003 , 22, 127-132	2-7 8
46	Multicolor Solar Absorption as a Synergetic UV Upconversion Enhancement Mechanism in LiYF ₄ :Yb ³⁺ ,Tm ³⁺ Nanocrystals. <i>ACS Photonics</i> , 2019 , 6, 3126-3131	6-3 8
45	Synthesis of 2-(arylamino)ethyl phosphonic acids via the aza-Michael addition on diethyl vinylphosphonate. <i>Tetrahedron</i> , 2013 , 69, 115-121	2-4 7
44	Synthesis, characterisation and thermal decomposition study of cerium(IV) 2-(2'-hydroxyphenyl)-2-oxazoline derivatives. <i>Polyhedron</i> , 2004 , 23, 1467-1472	2-7 7
43	Molecular structure of [Y ₄ (β -OR) ₃ (η -OR) ₂ (η -OR) ₄ (η -OR) ₃] ₂ R=C ₂ H ₄ OPri, an homoleptic alkoxide with three different coordination numbers. <i>Inorganic Chemistry Communication</i> , 2004 , 7, 751-755	3-1 7
42	Synthesis, characterisation and X-ray structures of yttrium, barium and copper(II) ketooesterate complexes. <i>Inorganica Chimica Acta</i> , 2000 , 304, 99-107	2-7 7
41	Doping of ZnO inorganic-organic nanohybrids with metal elements. <i>Scientific Reports</i> , 2019 , 9, 11959	4-9 6
40	ZnO nanoparticles as a luminescent down-shifting layer for photosensitive devices. <i>Journal of Semiconductors</i> , 2013 , 34, 053005	2-3 6
39	Inelastic neutron scattering study of the coordination of para-amino benzoic acid molecules to the surface of nanocrystalline titania particles. <i>Chemical Physics Letters</i> , 2009 , 472, 65-68	2-5 6
38	Hydrolysis of a (2-Propanol)yttrium Triiodide Complex in the Presence of Glymes: Synthesis and X-ray Structures of Hydroxo-Bridged Dinuclear Yttrium Complexes and Their Applications in Materials Science. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2208-2215	2-3 6
37	Single-Step Synthesis of Nanocrystalline Doped-Lanthanum Hydroxide Materials from Heterometallic Alkoxides. <i>Journal of Sol-Gel Science and Technology</i> , 2005 , 35, 57-64	2-3 6

36	Calcium tetramethylheptanedionate adducts with N-donor ligands. Molecular structure of a dimeric and volatile adduct $\text{Ca}_2(\text{L}-\text{thd})(\text{L}'\text{-thd})_3(\text{L}-\text{bipy})$. <i>Polyhedron</i> , 2001 , 20, 1065-1070	2.7	6
35	Pressure-Induced Phase Transitions in TiO_2 Rutile Nanorods. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1948-1953	3.8	6
34	Shape Controllable Preparation of Submicronic Cadmium Tetrazole-Based Metal-Organic Frameworks via Solvothermal or Microwave-Assisted Methods and Their Photocatalytic Studies. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 209-216	4.9	5
33	Optimum in the thermoelectric efficiency of nanostructured Nb-doped TiO ceramics: from polarons to Nb-Nb dimers. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 13008-13016	3.6	5
32	Synthesis, characterization and thermal transport properties of heteroleptic N-alkyl triazenide complexes of titanium(IV) and niobium(V). <i>Polyhedron</i> , 2018 , 152, 84-89	2.7	5
31	Synthesis and structural characterization of some titanium butoxides modified with chloroacetic acids. <i>Transition Metal Chemistry</i> , 2013 , 38, 835-841	2.1	5
30	Self-Assembled Hybrid ZnO Nanostructures as Supports for Copper-Based Catalysts in the Hydrogenolysis of Glycerol. <i>Catalysts</i> , 2021 , 11, 516	4	5
29	Chemical Vapor Deposition of Al_3Fe_4 Highly Selective Catalytic Films for the Semi-Hydrogenation of Acetylene. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1700692	1.6	5
28	Nanometric NaYF_4 as an Unconventional Support for Gold Catalysts for Oxidation Reactions. <i>ACS Omega</i> , 2019 , 4, 5852-5861	3.9	4
27	New Hybrid TiO_2 Nano-structured Materials for Lanthanides Separation. <i>Chemistry Letters</i> , 2007 , 36, 1364-1365	4.7	4
26	Quest to enhance up-conversion efficiency: a comparison of anhydrous vs. hydrous synthesis of NaGdF_4 : Yb^{3+} and Tm^{3+} nanoparticles. <i>Materials Today Chemistry</i> , 2020 , 17, 100326	6.2	4
25	TiO_2 Based Hybrid Nanocomposites Modified by Phosphonate Molecules as Selective PAH Adsorbents. <i>Molecules</i> , 2018 , 23,	4.8	4
24	New synthesis approach for hybrid Gd(III) -loaded Nanocrystalline TiO_2 as potential magnetic resonance imaging contrast agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 9237-43	1.3	3
23	Conformal atomic layer deposition of TA-based diffusion barrier film using a novel mono-guanidinate precursor. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 8383-6	1.3	3
22	One-Pot deposition of palladium on hybrid TiO_2 nanoparticles: Application for the hydrogenation of cinnamaldehyde. <i>Studies in Surface Science and Catalysis</i> , 2010 , 175, 605-608	1.8	3
21	Controlling the Properties of Bulk Metal Oxides at a Molecular Level: Alkoxides Vs Carboxylates-Alkoxides Routes. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 346, 21		3
20	Microstructure of BaTiO_3 and SrTiO_3 layers obtained by injection MOCVD. <i>European Physical Journal Special Topics</i> , 1998 , 08, Pr9-247-Pr9-250		3
19	Visible luminescence improvement of ZnO/PAA nano-hybrids by silica coating. <i>Applied Surface Science</i> , 2021 , 540, 148343	6.7	3

18	Characterization of nitrogen-doped TiO ₂ thin films for photovoltaic applications 2013 ,		2
17	(Invited) Developments of ALD Processes: Experiments and Thermodynamic Evaluations. <i>ECS Transactions</i> , 2010 , 33, 321-332	1	2
16	ALD TaN from PDMAT in TSV Architectures. <i>ECS Transactions</i> , 2010 , 33, 183-193	1	2
15	Atomic Layer Deposition of TiO ₂ ultrathin films on 3D substrates for energy applications. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1439, 63-68		2
14	The Perovskite SrTiO ₃ on Si/SiO ₂ by Liquid Injection MOCVD. <i>ECS Transactions</i> , 2009 , 19, 669-684	1	2
13	Exchange bonding mode of bidentate tmeda ligand. Molecular structure of [Y(tmhd) ₃] ₂ (tmeda). <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1039-1043	3.1	2
12	Surface Segregation Study of Transparent ZnGa ₂ O ₄ Films by XPS. <i>Surface Science Spectra</i> , 2001 , 8, 303-311	1.1	2
11	Study of titanium amino-alkoxide derivatives as TiO ₂ Chemical Beam Vapour Deposition precursor. <i>Materials Chemistry and Physics</i> , 2022 , 277, 125561	4.4	1
10	Low-Temperature O ₃ Decomposition over Pd-TiO ₂ Hybrid Catalysts. <i>Catalysts</i> , 2022 , 12, 448	4	1
9	Asymmetry-Induced Redistribution in Sn(IV)/Ti(IV) Hetero-Bimetallic Alkoxide Precursors and Its Impact on Thin-Film Deposition by Metal-Organic Chemical Vapor Deposition. <i>Crystal Growth and Design</i> ,	3.5	0
8	Effect of High Pressure Spark Plasma Sintering on the Densification of a Nb-Doped TiO ₂ Nanopowder. <i>Ceramics</i> , 2020 , 3, 507-520	1.7	0
7	Study of the Parameters Impacting the Photocatalytic Reduction of Carbon Dioxide in Ionic Liquids. <i>ChemPhotoChem</i> , 2021 , 5, 721-726	3.3	0
6	Synthesis and Thermal Behavior of Heteroleptic μ -Substituted Acetylacetonate-Alkoxides of Titanium. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1976-1983	2.3	0
5	Study of the Parameters Impacting the Photocatalytic Reduction of Carbon Dioxide in Ionic Liquids. <i>ChemPhotoChem</i> , 2021 , 5, 692-693	3.3	0
4	The Quest for Single-Source Precursors for BaTiO ₃ and SrTiO ₃ . <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 49-53	2.3	
3	Interaction of Iron Tetrasulfophthalocyanine with TiO ₂ Nanoparticles by XPS. <i>Surface Science Spectra</i> , 2008 , 15, 70-76	1.2	
2	Hexakis[μ -4-[2-(diisopropylamino)ethylamino]pent-3-en-2-onato- μ -N,O]tricalcium(II) hexane solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m2049-m2050		
1	Input of IBA for the study of plasmonic properties of doped ZnO nanocrystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 479, 74-79	1.2	

