List of Publications by Year in descending order

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		186209	233338
117	2,585	28	45
papers	citations	h-index	g-index
123	123	123	2272
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Titanium Alkoxides as Initiators for the Controlled Polymerization of Lactide. Inorganic Chemistry, 2003, 42, 1437-1447.	1.9	190
2	Novel Titanatranes with Different Ring Sizes:Â Syntheses, Structures, and Lactide Polymerization Catalytic Capabilities. Organometallics, 2002, 21, 2395-2399.	1.1	146
3	A Tetrameric Titanium Alkoxide as a Lactide Polymerization Catalyst. Macromolecular Rapid Communications, 2002, 23, 917-921.	2.0	72
4	(RO)2Ta[tris(2-oxy-3,5-dimethylbenzyl)amine]:  Structure and Lactide Polymerization Activities. Inorganic Chemistry, 2002, 41, 4834-4838.	1.9	70
5	(Pentamethylcyclopentadienyl)titanatrane: A New Class of Catalyst for Syndiospecific Polymerization of Styrene. Organometallics, 1999, 18, 36-39.	1.1	67
6	Novel Chlorotitanium Complexes Containing Chiral Tridentate Schiff Base Ligands for Ring-Opening Polymerization of Lactide. Inorganic Chemistry, 2007, 46, 7701-7703.	1.9	67
7	Scorpionate Catalysts for Coupling CO ₂ and Epoxides to Cyclic Carbonates: A Rational Design Approach for Organocatalysts. Journal of Organic Chemistry, 2018, 83, 9370-9380.	1.7	63
8	Functional group effects on a metal-organic framework catalyst for CO2 cycloaddition. Journal of Industrial and Engineering Chemistry, 2018, 64, 478-483.	2.9	62
9	A Neutral Group 4 Poly(methyl methacrylate) Catalyst Derived fromo-Carborane. Organometallics, 1998, 17, 2933-2935.	1.1	59
10	Facile synthesis of uniform large-sized InP nanocrystal quantum dots using tris(tert-butyldimethylsilyl)phosphine. Nanoscale Research Letters, 2012, 7, 93.	3.1	57
11	Efficient Aluminum Catalysts for the Chemical Conversion of CO 2 into Cyclic Carbonates at Room Temperature and Atmospheric CO 2 Pressure. ChemSusChem, 2019, 12, 4211-4220.	3.6	56
12	New Titanatranes:  Characterization and Styrene Polymerization Behavior. Organometallics, 2002, 21, 1127-1135.	1.1	52
13	The First Fluorenylansa-Yttrocene Complexes:Â Synthesis, Structures, and Polymerization of Methyl Methacrylate. Organometallics, 1999, 18, 5124-5129.	1.1	51
14	Synthesis and polymerization behavior of various substituted indenyl titanium complexes as catalysts for syndiotactic polystyrene. Journal of Organometallic Chemistry, 1997, 527, 155-161.	0.8	50
15	Synthesis, structure and ethylene polymerization behavior of zirconium complexes with chelating ketoiminate ligands. Journal of Organometallic Chemistry, 2001, 620, 1-7.	0.8	50
16	Living Polymerization of Lactide Using Titanium Alkoxide Catalysts. Macromolecular Symposia, 2005, 224, 105-118.	0.4	49
17	Dinuclear Aluminum Complexes as Catalysts for Cycloaddition of CO2 to Epoxides. Organometallics, 2014, 33, 2770-2775.	1.1	48
18	Tertiary amines: A new class of highly efficient organocatalysts for CO2 fixations. Journal of Industrial and Engineering Chemistry, 2016, 44, 210-215.	2.9	48

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19	Facile Synthesis of Monomeric Alumatranes. Journal of the American Chemical Society, 2006, 128, 13727-13735.	6.6	43
20	Charged functional group effects on a metal–organic framework for selective organic dye adsorptions. CrystEngComm, 2015, 17, 8418-8422.	1.3	40
21	New Titanium Catalysts Containing Tetrazole for Cycloaddition of CO ₂ to Epoxides. Organometallics, 2013, 32, 4452-4455.	1.1	39
22	New Half-Metallocene Catalysts Generating Polyethylene with Bimodal Molecular Weight Distribution and Syndiotactic Polystyrene. Macromolecular Rapid Communications, 2001, 22, 573-578.	2.0	36
23	Titanium complexes containing new dianionic tetradentate [ONNO]-type ligands with benzyl substituents on bridging nitrogen atoms: Syntheses, X-ray structures, and catalytic activities in ring opening polymerization of lactide. Journal of Organometallic Chemistry, 2009, 694, 3409-3417.	0.8	33
24	New half-sandwich metallocene catalysts for polyethylene and polystyrene. Journal of Organometallic Chemistry, 2001, 634, 19-24.	0.8	32
25	Defect Engineering into Metal–Organic Frameworks for the Rapid and Sequential Installation of Functionalities. Inorganic Chemistry, 2018, 57, 1040-1047.	1.9	31
26	Titanatranes containing tetradentate ligands with controlled steric hindrance. Journal of Organometallic Chemistry, 2007, 692, 3519-3525.	0.8	30
27	Spirobifluoreneâ€Based <i>o</i> arboranyl Compounds: Insights into the Rotational Effect of Carborane Cages on Photoluminescence. Chemistry - A European Journal, 2020, 26, 548-557.	1.7	30
28	Dual-Functional Electrolyte Additives toward Long-Cycling Lithium-Ion Batteries: Ecofriendly Designed Carbonate Derivatives. ACS Applied Materials & Interfaces, 2020, 12, 24479-24487.	4.0	30
29	Synthesis and Characterization of Group 4 Constrained Geometry Complexes Containing a Linked Cyclopentadienylâ~'o-Carboranyl Ligand. Organometallics, 2000, 19, 5514-5517.	1.1	29
30	Organicâ^'Organometallic Crystal Engineering:  Novel Formation of a Honeycomb Supramolecular Architecture of [Re2(μ-OMe)3(CO)6]- Anions Encapsulating a Linear H-Bonded Chain of [DABCO-H]+ Cations. Inorganic Chemistry, 2003, 42, 4262-4264.	1.9	29
31	Copper-Catalyzed Selective Arylations of Benzoxazoles with Aryl Iodides. Journal of Organic Chemistry, 2015, 80, 3670-3676.	1.7	29
32	First lanthanide complexes and unusual coordination behavior of hexakis(3,5-dimethylpyrazolyl)cyclotriphosphazene. Chemical Communications, 1998, , 1227-1228.	2.2	28
33	Intriguing Indium-salen Complexes as Multicolor Luminophores. Inorganic Chemistry, 2017, 56, 2621-2626.	1.9	28
34	Syndiotactic polystyrene with very high molecular weight produced by sterically and electronically modified catalyst. Journal of Organometallic Chemistry, 2002, 655, 186-191.	0.8	27
35	Highly Active Salenâ€Based Aluminum Catalyst for the Coupling of Carbon Dioxide with Epoxides at Ambient Temperature. European Journal of Inorganic Chemistry, 2017, 2017, 5372-5378.	1.0	27
36	The First Example of a Monomeric Alumatrane. Inorganic Chemistry, 2003, 42, 4804-4806.	1.9	26

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37	Preparation of syndiotactic poly(4-tert-butyldimethyl-silyloxystyrene) and poly(4-hydroxystyrene). Macromolecular Rapid Communications, 2000, 21, 1148-1155.	2.0	25
38	Group 4 complexes derived from o-carborane: synthesis, structures and ethylene polymerization properties. Journal of Organometallic Chemistry, 2003, 679, 48-58.	0.8	24
39	Increased open-circuit voltage in a Schottky device using PbS quantum dots with extreme confinement. Applied Physics Letters, 2013, 102, .	1.5	23
40	Titanium complexes containing bidentate benzotriazole ligands as catalysts for the ring opening polymerization of lactide. Polyhedron, 2014, 67, 286-294.	1.0	23
41	Synthesis and characterization of new luminescent materials containing various substituted 8-quinolinolate. Synthetic Metals, 2001, 121, 1667-1668.	2.1	22
42	Synthesis and luminescence behaviors of aluminum complex with mixed ligands. Synthetic Metals, 2001, 121, 1669-1670.	2.1	22
43	Monomeric or Dimeric Aluminum Complexes as Catalysts for Cycloaddition between CO ₂ and Epoxides. European Journal of Inorganic Chemistry, 2015, 2015, 2323-2329.	1.0	20
44	Europium atalyzed Aerobic Oxidation of Alcohols to Aldehydes/Ketones and Photoluminescence Tracking. Advanced Synthesis and Catalysis, 2019, 361, 1259-1264.	2.1	18
45	Combined effect of chemical pressure and valence electron concentration through the electron-deficient Li substitution on the RE4LiGe4 (RE=La, Ce, Pr, and Sm) system. Journal of Solid State Chemistry, 2013, 205, 10-20.	1.4	17
46	Dinuclear iron(III) complexes with different ligation for ring opening polymerization of lactide. Polyhedron, 2015, 95, 24-29.	1.0	17
47	Systematic design of indium-based luminophores with color-tunable emission via combined manipulation of HOMO and LUMO levels. Dyes and Pigments, 2018, 158, 285-294.	2.0	17
48	New group 4 half sandwich complexes containing triethanolamine ligand for polyethylene. Journal of Organometallic Chemistry, 2006, 691, 1121-1125.	0.8	16
49	Effects of various imidazole-based weak bases and surfactant on the conductivity and transparency of poly(3,4-ethylenedioxythiophene) films. Synthetic Metals, 2009, 159, 2506-2511.	2.1	16
50	Synthesis, Structures, Photoluminescent Behaviors, and DFT Studies of Novel Aluminum Complexes Containing Phenoxybenzotriazole Derivatives. Organometallics, 2010, 29, 347-353.	1.1	16
51	Synthesis, X-ray structures, and controlled ring opening polymerization behavior of l-lactide using titanium complexes chelated by tetradentate diamine–diethanolate ligand. Dalton Transactions, 2012, 41, 11619.	1.6	15
52	Carbazole-Appended Salen–Indium Conjugate Systems: Synthesis and Enhanced Luminescence Efficiency. Inorganic Chemistry, 2019, 58, 12358-12364.	1.9	15
53	Synthesis of o-carborane-functionalized metal–organic frameworks through ligand exchanges for aggregation-induced emission in the solid state. Chemical Communications, 2019, 55, 11844-11847.	2.2	14
54	Selective synthesis of monomeric or dimeric titanatranes via fine tuning in triethanolateamine ligand. Polyhedron, 2010, 29, 379-383.	1.0	13

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55	Synergistic Effect of a Bis(proazaphosphatrane) in Mild Palladiumâ€Catalyzed Direct αâ€Arylations of Nitriles with Aryl Chlorides. European Journal of Organic Chemistry, 2014, 2014, 6025-6029.	1.2	13
56	Salen-indium/triarylborane triads: synthesis and ratiometric emission-colour changes by fluoride ion binding. Dalton Transactions, 2018, 47, 5310-5317.	1.6	13
57	A salen–Al/carbazole dyad-based guest–host assembly: enhancement of luminescence efficiency <i>via</i> intramolecular energy transfer. Chemical Communications, 2018, 54, 4712-4715.	2.2	13
58	Systematic Control of the Overlapping Energy Region for an Efficient Intramolecular Energy Transfer: Functionalized Salen–Al/Triphenylamine Guest–Host Assemblies. Inorganic Chemistry, 2019, 58, 2454-2462.	1.9	13
59	NOVEL ALUMINUM AND TITANIUM COMPLEXES CHELATED BY TRIS-PHENOXIDE LIGANDS. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 729-732.	0.8	12
60	Synthesis, characterization, and catalytic activities in syndiospecific polymerization of styrene for half-sandwich titanium complexes with non-Cp tridentate dianionic ligands MeN(CH2CR2Oâ~)2. Journal of Organometallic Chemistry, 2008, 693, 1945-1951.	0.8	12
61	Synthesis, characterization, and polymerization activity of (pentamethylcyclopentadienyl)titanatranes containing {(O-2,4-Me2C6H2-6-CH2)nN(CH2CH2O)3â~'n}3â~' (n=0–2) or {N(C6H4-2-O)3}3â~'. Journal of Organometallic Chemistry, 2008, 693, 3715-3721.	0.8	12
62	Zirconocene Complexes as Catalysts for the Cycloaddition of CO ₂ to Propylene Oxide. European Journal of Inorganic Chemistry, 2014, 2014, 5107-5112.	1.0	12
63	Synthesis of functionalized titanium-carboxylate molecular clusters and their catalytic activity. Journal of Industrial and Engineering Chemistry, 2017, 53, 171-176.	2.9	12
64	Flexibility in metal–organic frameworks derived from positional and electronic effects of functional groups. CrystEngComm, 2017, 19, 5361-5368.	1.3	12
65	Halide-Free and Bifunctional One-Component Catalysts for the Coupling of Carbon Dioxide and Epoxides. Inorganic Chemistry, 2019, 58, 5922-5931.	1.9	12
66	Ring-opening polymerization behavior of l-lactide catalyzed by aluminum alkyl catalysts. Journal of Industrial and Engineering Chemistry, 2013, 19, 1137-1143.	2.9	11
67	Titanium complexes containing tridentate [ONO] type Schiff base ligands for the cycloaddition reaction of CO2 to propylene oxide. Polyhedron, 2018, 141, 191-197.	1.0	11
68	Ir-Catalyzed C–H Amidation Using Carbamoyl Azides for the Syntheses of Unsymmetrical Ureas. Journal of Organic Chemistry, 2020, 85, 6233-6241.	1.7	11
69	Ring-opening polymerization ofl-lactide with silica supported titanium alkoxide catalysts. Macromolecular Research, 2009, 17, 346-351.	1.0	10
70	New Class of Scorpionate: Tris(tetrazolyl)–Iron Complex and Its Different Coordination Modes for Alkali Metal Ions. Inorganic Chemistry, 2014, 53, 8213-8220.	1.9	10
71	Fluorescent chemosensor based on pyrrole-aminoindanol for selective zinc detection. Inorganic Chemistry Communication, 2014, 50, 24-27.	1.8	10
72	Synthesis of secondary and tertiary amine-containing MOFs: C–N bond cleavage during MOF synthesis. CrystEngComm, 2015, 17, 5644-5650.	1.3	10

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73	A Versatile Cobalt Catalyst for Secondary and Tertiary Amide Synthesis from Various Carboxylic Acid Derivatives. Asian Journal of Organic Chemistry, 2016, 5, 222-231.	1.3	10
74	Synthesis, characterization, and cycloaddition reaction studies of zinc(II) acetate complexes containing 2,6-bis(pyrazol-1-yl)pyridine and 2,6-bis(3,5-dimethylpyrazol-1-yl)pyridine ligands. Polyhedron, 2017, 125, 101-106.	1.0	10
75	Novel Dinuclear Halfâ€Titanoceneâ€Producing Styrene/Ethylene Copolymers Containing Syndiotactic Styrene/Styrene Sequences. Macromolecular Chemistry and Physics, 2011, 212, 785-789.	1.1	9
76	Synthesis and crystal structures of boratranes with methyl substituents on the atrane cage. Polyhedron, 2011, 30, 1076-1079.	1.0	9
77	Synthesis and X-ray structure of palladium dichloride complexed with THF and 2,6,7-trioxa-3,5,8-tris(trichloromethyl)-1,4-diphosphabicyclo[2.2.2]octane. Journal of Organometallic Chemistry, 2003, 669, 32-36.	0.8	8
78	Synthesis, X-ray structures, and syndiospecific polymerization behavior of styrene of new (pentamethylcyclopentadientyl) titanatranes containing modified tetradentate triethanolamine ligands. Journal of Organometallic Chemistry, 2011, 696, 1729-1735.	0.8	8
79	A Tuned Bicyclic Proazaphosphatrane for Catalytically Enhanced <i>N</i> â€Arylation Reactions with Aryl Chlorides. European Journal of Organic Chemistry, 2015, 2015, 1954-1960.	1.2	8
80	Cobalt/nitrophenolate-catalyzed selective conversion of aldoximes into nitriles or amides. Catalysis Communications, 2015, 60, 120-123.	1.6	8
81	Facile synthesis of a dimeric titanium(iv) complex with terminal Tiî€O moieties and its application as a catalyst for the cycloaddition reaction of CO2to epoxides. RSC Advances, 2016, 6, 97800-97807.	1.7	8
82	A Series of Quinolinol-Based Indium Luminophores: A Rational Design Approach for Manipulating Photophysical Properties. Inorganic Chemistry, 2019, 58, 8056-8063.	1.9	8
83	Structural Characterization of the Intermetallic Phase EuZn _x In _{4-x} (x â‰^ 1.1-1.2). Zn and In Site-Preferences in the BaAl ₄ Structure-Type from Computational Analysis. Bulletin of the Korean Chemical Society, 2013, 34, 1656-1662.	1.0	8
84	Aminosilylene-bridged ansa-zirconocenes for branched polyethylenes with bimodal molecular weight distributions. Journal of Organometallic Chemistry, 2009, 694, 4216-4222.	0.8	7
85	Boratranes with all six-membered rings or with two different ring sizes: Synthesis, characterization, and X-ray crystal structures. Inorganica Chimica Acta, 2011, 378, 311-314.	1.2	7
86	Novel zirconium complexes containing a bidentate phenoxybenzotriazole ligand. Polyhedron, 2011, 30, 809-813.	1.0	7
87	Effect of the Metal within Regioisomeric Paddleâ€Wheelâ€Type Metal–Organic Frameworks. Chemistry - A European Journal, 2019, 25, 14414-14420.	1.7	7
88	Synthesis of phenanthroline derivative by Suzuki coupling reaction and the use of its ruthenium complex as an optical pH sensor. Inorganic Chemistry Communication, 2007, 10, 195-198.	1.8	6
89	Synthesis and X-ray diffraction analysis/crystal structure of new germatranes containing methyl substituents in three five-membered chelating rings. Polyhedron, 2011, 30, 2333-2338.	1.0	6
90	Crystal structure and chemical bonding of novel Li-containing polar intermetallic compound La11Li12Ge16. Journal of Solid State Chemistry, 2012, 196, 543-549.	1.4	6

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91	Preparation of polyethylene with controlled bimodal molecular weight distribution using zirconium complexes. Journal of Industrial and Engineering Chemistry, 2012, 18, 429-432.	2.9	6
92	Mukaiyama Aldol Reactions Catalyzed by a Trimeric Organo Aluminum(III) Alkoxide. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 1193-1206.	0.8	6
93	Dimeric aluminum methyl complex bridged by 2-oxy-2-methyl-1-(phenylamino)propane: Synthesis, structure, and use in ring opening polymerization of lactide. Inorganic Chemistry Communication, 2013, 29, 157-159.	1.8	5
94	Highly stable methylaluminum dimer complex with chiral tridentate ligand. Inorganic Chemistry Communication, 2014, 44, 139-142.	1.8	5
95	Copper(II), zinc(II) and nickel(II) coordination polymers using bidentate hyroxyphenyl-tetrazolyl ligand. Polyhedron, 2016, 117, 735-740.	1.0	5
96	Three Component Controls in Pillared Metal-Organic Frameworks for Catalytic Carbon Dioxide Fixation. Catalysts, 2018, 8, 565.	1.6	5
97	Lithium Containing Rare-Earth Metal Germanide, Er3.93Li1.07Ge4: Synthesis, Crystal Structure and Chemical bonding. Bulletin of the Korean Chemical Society, 2013, 34, 1579-1582.	1.0	5
98	Facile synthesis and X-ray structures of (Î-5-C5Me5)Ti(OArF)3 (OArF=OC6F5, OCH2C6F5, and) Tj ETQq0 0 0 rgBT	Overlock	10 Tf 50 46
99	Tris(4-hydroxy-3,5-diisopropylbenzyl)amine as a new bridging ligand for novel trinuclear titanium complexes. Polyhedron, 2012, 31, 665-670.	1.0	4
100	Zirconium complexes with pendant aryloxy groups attached to the metallocene moiety by ethyl or hexyl spacers. Polyhedron, 2014, 67, 205-212.	1.0	4
101	Iron Catalysts Containing Pyridoxal Ligands for Cycloaddition of <scp>CO₂</scp> to Epoxides. Bulletin of the Korean Chemical Society, 2015, 36, 1296-1299.	1.0	4
102	Synthesis and Photophysical Properties of (Cl 2 Ph)Salenâ€based Indium Complexes. Bulletin of the Korean Chemical Society, 2020, 41, 748-752.	1.0	4
103	Selective Synthesis of Homoleptic and Heteroleptic Triarylboranes and Their Novel Colour Tunable Properties. ChemistrySelect, 2016, 1, 1239-1242.	0.7	3
104	Experimental, Structural, and Computational Investigation of Mixed Metal–Organic Frameworks from Regioisomeric Ligands for Porosity Control. Crystal Growth and Design, 2020, 20, 5338-5345.	1.4	3
105	Bis(μ-trimethylsilanolato-κ2O:O)bis{[2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenolato-κ2N,O]zinc}. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m87-m87.	0.2	2
106	2,8,9-Tris(2-methylpropyl)-2,5,8,9-tetraaza-1î» ⁵ -phosphatricyclo[3.3.3.0 ^{1,5}]undecan-5 chloride dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3317-o3317.	-ium 0.2	2
107	In-situ generation of a well-dispersed multiwall carbon nanotube/syndiotactic polystyrene composite using pentamethylcyclopentadienyltitanium trimethoxide anchored to multiwall carbon nanotubes. Polymer, 2012, 53, 933-938.	1.8	2
108	Dimeric alumatranes as catalysts for trimethylsilylcyanation reaction. RSC Advances, 2017, 7, 48151-48160.	1.7	2

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109	Bis{2,2′-[methylazanediylbis(methylene)]bis(4,6-dimethylphenolato)-κ ³ <i>O</i> , <i>N</i> , <i>O</i> toluene sesquisolvate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m222-m222.	i>′}tita 0.2	nium(IV) 2
110	2-Triphenylsilyl-9,10-di-1-naphthalenylanthracene and its Application for Blue Organic Light Emitting Diodes. Bulletin of the Korean Chemical Society, 2013, 34, 2211-2214.	1.0	2
111	Synthesis and Photophysical Properties of a Series of Dimeric Indium Quinolinates. Molecules, 2021, 26, 34.	1.7	2
112	μ-Oxido-bis{bis[(pentafluorophenyl)methanolato](η5-pentamethylcyclopentadienyl)titanium(IV)}. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1104-m1104.	0.2	1
113	Synthesis and photophysical study of an octahedral silver(I) 1-D coordination polymer with thiocarboxylic-acid-based ligands. Polyhedron, 2017, 137, 347-352.	1.0	1
114	μ-Oxido-bis[bis(pentafluorophenolato)(η5-pentamethylcyclopentadienyl)titanium(IV)]. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1147-m1147.	0.2	0
115	4-(1H-Tetrazol-5-yl)benzene-1,3-diol. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o380-o380.	0.2	0
116	Iron metallascorpionate possessing multiple binding sites: Formation of 3-D hexagonal iron-potassium coordination polymer. Polyhedron, 2017, 137, 89-96.	1.0	0
117	2-Benzhydryl-6-tert-butyl-4-methylphenol. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o287-o287.	0.2	0