Ana Torvisco

List of Publications by Year
in descending order

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87 papers	1,513 citations	361413 20 h-index	361022 35 g-index
94 all docs	94 docs citations	94 times ranked	1554 citing authors

#	Article	IF	Citations
1	Direct X-ray and electron-beam lithography of halogenated zeolitic imidazolate frameworks. Nature Materials, 2021, 20, 93-99.	27.5	112
2	Tetraacylgermanes: Highly Efficient Photoinitiators for Visibleâ€Lightâ€Induced Freeâ€Radical Polymerization. Angewandte Chemie - International Edition, 2017, 56, 3103-3107.	13.8	97
3	Advances in alkaline earth-nitrogen chemistry. Coordination Chemistry Reviews, 2011, 255, 1268-1292.	18.8	96
4	The Role of 2,6â€Diaminopyridine Ligands in the Isolation of an Unprecedented, Lowâ€Valent Tin Complex. Chemistry - A European Journal, 2013, 19, 15504-15517.	3.3	83
5	A Sequential Ugi Multicomponent/Cu-Catalyzed Azideâ€“Alkyne Cycloaddition Approach for the Continuous Flow Generation of Cyclic Peptoids. Journal of Organic Chemistry, 2015, 80, 4590-4602.	3.2	62
6	s-Block Organometallics: Analysis of Ion-Association and Noncovalent Interactions on Structure and Function in Benzyl-Based Compounds. Inorganic Chemistry, 2011, 50, 12223-12240.	4.0	52
7	Bismuth sulphideâ€“polymer nanocomposites from a highly soluble bismuth xanthate precursor. Journal of Materials Chemistry C, 2013, 1, 7825.	5.5	52
8	Synthesis and structural characterization of isothiocyanato-4-methoxypyridine-cobalt(II) complexes with diverse geometries and a bridged 1D coordination polymer showing metamagnetic transition. Polyhedron, 2018, 154, 436-442.	2.2	50
9	Nickel sulfide thin films and nanocrystals synthesized from nickel xanthate precursors. Journal of Materials Science, 2017, 52, 10898-10914.	3.7	41
10	Heavy Alkali Metal Amides: Role of Secondary Interactions in Metal Stabilization. Inorganic Chemistry, 2009, 48, 11459-11465.	4.0	39
11	From mono- to tetraacylgermanes: extending the scope of visible light photoinitiators. Polymer Chemistry, 2018, 9, 38-47.	3.9	39
12	Synthesis, Spectroscopic Behavior, and Photoinduced Reactivity of Tetraacylgermanes. Organometallics, 2017, 36, 3624-3632.	2.3	38
13	Impact of Electronic Modification of the Chelating Benzylidene Ligand in cis-Dichloro-Configured Second-Generation Olefin Metathesis Catalysts on Their Activity. Organometallics, 2014, 33, 2806-2813.	2.3	35
14	Scalable Continuous Flow Process for the Synthesis of Eflornithine Using Fluoroform as Difluoromethyl Source. Organic Process Research and Development, 2018, 22, 1553-1563.	2.7	35
15	Aryltin chlorides and hydrides: Preparation, detailed NMR studies and DFT calculations. Journal of Organometallic Chemistry, 2013, 740, 41-49.	1.8	33
16	Porphyrin complexes containing coordinated BOB groups: synthesis, chemical reactivity and the structure of [BOB(tpClpp)]2+. Dalton Transactions, 2008, , 1602.	3.3	30
17	Tetraacylstannanes as Longâ€Wavelength Visibleâ€Light Photoinitiators with Intriguing Low Toxicity. Chemistry - A European Journal, 2018, 24, 8281-8285.	3.3	30
18	Variation of the Sterical Properties of the N-Heterocyclic Carbene Coligand in Thermally Triggerable Ruthenium-Based Olefin Metathesis Precatalysts/Initiators. Organometallics, 2015, 34, 5383-5392.	2.3	25

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19	Stable Germenolates and Germenes with Exocyclic Structures. Organometallics, 2015, 34, 5291-5297.	2.3	24
20	Stable Silenolates and Brook-Type Silenes with Exocyclic Structures. Organometallics, 2014, 33, 5956-5959.	2.3	21
21	Heavy Alkaline-Earth Metal Organometallic and Metal Organic Chemistry: Synthetic Methods and Properties. Topics in Organometallic Chemistry, 2013, , 1-27.	0.7	20
22	Alkaline earth metal di- and triphenylmethanides: Analysis of ion association modes. Inorganica Chimica Acta, 2012, 389, 122-130.	2.4	19
23	More than Steric Effects: Unlocking the Coordination Chemistry of Barium Pyrazolates. European Journal of Inorganic Chemistry, 2008, 2008, 172-182.	2.0	18
24	Concise synthesis of C-1-cyano-iminosugars via a new Staudinger/aza Wittig/Strecker multicomponent reaction strategy. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2777-2780.	2.2	18
25	The Chemistry of Acylgermanes: Triacylgermenolates Represent Valuable Building Blocks for the Synthesis of a Variety of Germanium-Based Photoinitiators. Inorganic Chemistry, 2020, 59, 15204-15217.	4.0	18
26	Photoinduced Brook-Type Rearrangement of Acylcyclopolysilanes. Organometallics, 2014, 33, 231-239.	2.3	17
27	Tetraacylgermane: hochwirksame Photoinitiatoren fÃ¼r die radikalische Polymerisation mit sichtbarem Licht. Angewandte Chemie, 2017, 129, 3150-3154.	2.0	16
28	Branched Hydrosilane Oligomers as Ideal Precursors for Liquidâ€Based Siliconâ€Film Deposition. Angewandte Chemie - International Edition, 2017, 56, 14071-14074.	13.8	16
29	Ligand and Coligand Effects on Ion Association in Magnesium Amides. Organometallics, 2011, 30, 986-991.	2.3	15
30	Synthesis of Mixedâ€Functionalized Tetraacylgermanes. Chemistry - A European Journal, 2021, 27, 3338-3347.	3.3	15
31	The Staudinger/aza-Wittig/Grignard reaction as key step for the concise synthesis of 1-C-Alkyl-iminoalditol glycomimetics. Carbohydrate Research, 2016, 429, 62-70.	2.3	13
32	5-Fluoro derivatives of 4-epi-isofagomine as d-galactosidase inhibitors and potential pharmacological chaperones for GM1-gangliosidosis as well as Fabry's disease. Carbohydrate Research, 2016, 420, 6-12.	2.3	13
33	Attempted Synthesis of a Homocyclic Bis(silyl)silylene Leads to the Formation of a Tricyclo[3,1,1,1^{2,4}]octasilane. Organometallics, 2019, 38, 4158-4170.	2.3	12
34	Synthesis and characterization of Lanthanum(III) complexes containing 4,4,4-trifluoro-1-(naphthalen-2yl)butane-1,3-dionate. Polyhedron, 2020, 179, 114384.	2.2	12
35	Synthesis and Properties of Branched Hydrogenated Nonasilanes and Decasilanes. Inorganic Chemistry, 2019, 58, 8820-8828.	4.0	11
36	Five-Coordinated Geometries from Molecular Structures to Solutions in Copper(II) Complexes Generated from Polydentate-N-Donor Ligands and Pseudohalides. Molecules, 2020, 25, 3376.	3.8	11

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37	Selective Synthesis and Derivatization of Germasilicon Hydrides. Inorganic Chemistry, 2016, 55, 4034-4038.	4.0	10
38	A Modern Twist to a Classic Synthetic Route: Ph₃Bi-Based Redox Transmetalation Protolysis (RTP) for the Preparation of Barium Metalorganic Species. Inorganic Chemistry, 2017, 56, 11480-11489.	4.0	10
39	Synthesis and characterization of 1D coordination polymers of metal(II)-dicyanamido complexes. Polyhedron, 2019, 166, 36-43.	2.2	10
40	Diverse Coordination Numbers and Geometries in Pyridyl Adducts of Lanthanide(III) Complexes Based on Î²-Diketonate. Inorganics, 2021, 9, 74.	2.7	10
41	Metal Sulfide Thin Films with Tunable Nanoporosity for Photocatalytic Applications. ACS Applied Nano Materials, 2022, 5, 1508-1520.	5.0	10
42	Novel amino propyl substituted organo tin compounds. Canadian Journal of Chemistry, 2014, 92, 565-573.	1.1	9
43	Photoinduced Rearrangement of Arylâ€Substituted Acylcyclohexasilanes. European Journal of Inorganic Chemistry, 2015, 2015, 997-1004.	2.0	9
44	Branched Hydrosilane Oligomers as Ideal Precursors for Liquidâ€Based Siliconâ€Film Deposition. Angewandte Chemie, 2017, 129, 14259-14262.	2.0	9
45	Synthesis and Properties of Bridgehead-Functionalized Permethylbicyclo[2.2.2]octasilanes. Organometallics, 2013, 32, 4490-4500.	2.3	8
46	Stabilizing, non-covalent interactions in the solid state structure of novel aryltin hydrides and halogenides. Canadian Journal of Chemistry, 2014, 92, 556-564.	1.1	8
47	Synthesis and characterization of cyclic acylsilanes. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 638-640.	1.6	8
48	Synthesis of Structurally Complex Silicon Frameworks through the First Silaâ€Aldol Reaction. Angewandte Chemie - International Edition, 2017, 56, 8089-8093.	13.8	8
49	Reactivity of Cyclic Silenolates Revisited. Organometallics, 2017, 36, 3765-3773.	2.3	8
50	Potent GH20 N-Acetyl-Î²-d-hexosaminidase Inhibitors: N-Substituted 3-acetamido-4-amino-5-hydroxymethyl-cyclopentanediols. Molecules, 2018, 23, 708.	3.8	8
51	Synthesis, LIFDI Mass Spectrometry and Reactivity of Triacylâ€Germenolates. European Journal of Inorganic Chemistry, 2021, 2021, 3091-3096.	2.0	8
52	Isolable endocyclic silenes by thermal Brook rearrangement. Journal of Organometallic Chemistry, 2017, 830, 131-140.	1.8	7
53	Synthesis and Theoretical Investigation of Diphosphastannylenes. Organometallics, 2018, 37, 2950-2960.	2.3	7
54	Synthesis of Stable Dianionic Cyclic Silenolates and Germenolates. Organometallics, 2020, 39, 2878-2887.	2.3	7

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55	Isolable Geminal Bisgermenolates: A New Synthon in Organometallic Chemistry. Angewandte Chemie - International Edition, 2021, 60, 23646-23650.	13.8	7
56	Synthesis and characterization of the first relatively stable dianionic germenolates. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 597-600.	1.6	6
57	Novel aryl-substituted silanes Part II: Synthesis and characterization of diaryl silicon dihydrides. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 478-487.	1.6	6
58	Structure, DFT Calculations, and Magnetic Characterization of Coordination Polymers of Bridged Dicyanamido-Metal(II) Complexes. Magnetochemistry, 2019, 5, 41.	2.4	6
59	Synthesis and characterization of zinc di(O-2,2-dimethylpentan-3-yl dithiocarbonates) bearing pyridine or tetramethylethylenediamine coligands and investigation of their thermal conversion mechanisms towards nanocrystalline zinc sulfide. Dalton Transactions, 2020, 49, 14564-14575.	3.3	6
60	Coordination Polymers in Dicyanamido-Cadmium(II) with Diverse Network Dimensionalities. Crystals, 2021, 11, 181.	2.2	6
61	Synthesis and characterization of 1,1-dihalogenated cyclopentasilanes. Journal of Molecular Structure, 2015, 1099, 197-203.	3.6	5
62	Selective synthesis of tetraarylgermanes and triarylgermanium halides. Journal of Organometallic Chemistry, 2017, 851, 143-149.	1.8	5
63	Steric Effects of Alkyl Substituents at N-Donor Bidentate Amines Direct the Nuclearity, Bonding and Bridging Modes in Isothiocyanato-Copper(II) Coordination Compounds. Crystals, 2019, 9, 38.	2.2	5
64	Polynuclear and coordination polymers of copper(II) complexes assembled by flexible polyamines and bridging rigid N-heterocyclic multicarboxylates. Inorganica Chimica Acta, 2020, 500, 119240.	2.4	5
65	Isolable Stannenolates Enable the Synthesis of Visibleâ€Light Photoinitiators. ChemPhotoChem, 0, , .	3.0	5
66	Synthesis and characterization of cyano-substituted carborane-based compounds. Molecular structure of [1-(4-C7H7)-12-(C5H3-3-(CN)-3,4-(CH3)2)-C2B10H10]. Dalton Transactions, 2011, 40, 10585.	3.3	4
67	Photochemical reactivity of cyclic acylgermanes. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 655-658.	1.6	4
68	Synthesis of Structurally Complex Silicon Frameworks through the First Silaâ€Aldol Reaction. Angewandte Chemie, 2017, 129, 8201-8205.	2.0	4
69	Building blocks for oligomeric siloxanes â€“selective chlorination of hydrido-siloxanes. Journal of Organometallic Chemistry, 2018, 875, 1-4.	1.8	4
70	Toward the synthesis of thiadiazole-based therapeutic agents: synthesis, spectroscopic study, X-ray analysis, and cross-coupling reactions of the key intermediate 3,5-diiodo-1,2,4-thiadiazole. Research on Chemical Intermediates, 2020, 46, 1507-1519.	2.7	4
71	Mechanistic Insights into the Chaperoning of Human Lysosomal-Galactosidase Activity: Highly Functionalized Aminocyclopentanes and C-5a-Substituted Derivatives of 4-epi-Isofagomine. Molecules, 2020, 25, 4025.	3.8	4
72	Synthesis and characterization of diacylgermanes: persistent derivatives with superior photoreactivity. Dalton Transactions, 2021, 50, 11965-11974.	3.3	4

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73	Synthesis and crystal structures of novel silylsubstituted diphosphanes. Inorganica Chimica Acta, 2014, 423, 517-523.	2.4	3
74	Novel Aryl Substituted Silanes Part I: Synthesis and Characterization of Diaryl Silicon Dichlorides. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 1980-1993.	1.6	3
75	Selective Chlorination of Germanium Hydrides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1876-1881.	1.2	3
76	Synthesis, structure and in vitro antiproliferative effects of alkyne-linked 1,2,4-thiadiazole hybrids including erlotinib- and ferrocene-containing derivatives. RSC Advances, 2021, 11, 28685-28697.	3.6	3
77	Stereochemical Geometries and Photoluminescence in Pseudo-Halido-Zinc(II) Complexes. Structural Comparison between the Corresponding Cadmium(II) Analogs. Inorganics, 2021, 9, 53.	2.7	3
78	Exploration of Novel Î±,Ï‰â€Substituted Diphosphatrisilanes by Combining Experimental Methods and DFT Calculations. European Journal of Inorganic Chemistry, 2020, 2020, 3778-3785.	2.0	3
79	Structure and spectroscopic properties of porphyrinato group 14 derivatives: Part I â€“ Phenylacetylido ligands. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 801-811.	0.7	2
80	Syntheses, structural characterization, and thermal behaviour of metal complexes with 3-aminopyridine as co-ligands. Transition Metal Chemistry, 2021, 46, 191-200.	1.4	2
81	Synthesis of <scp>d</scp>-Galactose-Substituted Acylsilanes and Acylgermanes. Model Compounds for Visible Light Photoinitiators with Intriguing High Solubility. Organometallics, 2021, 40, 1185-1189.	2.3	2
82	The Road to Bisacyldigermanes â€•A New Compound Class Suitable as Visible Light Photoinitiators. ChemPhotoChem, 0, , .	3.0	2
83	Organoâ€“Phosphorusâ€“Sulfur Heterocycles by Reactions of Phenylphosphine with Ketones. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 1084-1093.	1.6	1
84	Novel diaminopropyl substituted organotin compounds. Canadian Journal of Chemistry, 2018, 96, 411-418.	1.1	1
85	Sila-Peterson Reaction of Cyclic Silanides. Organometallics, 2020, 39, 1832-1841.	2.3	1
86	New insights into the selective and systematic preparation of arylgermanium hydrides. Mendeleev Communications, 2022, 32, 22-24.	1.6	1
87	Isolable Geminal Bisgermenolates: A New Synthon in Organometallic Chemistry. Angewandte Chemie, 2021, 133, 23838.	2.0	0