

Alexander S Filatov

List of Publications by Year in descending order

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162
all docs

162
docs citations

162
times ranked

5116
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrostatic <i>vs.</i> inductive effects in phosphine ligand donor properties and reactivity. Chemical Science, 2022, 13, 4377-4387.	7.4	11
2	Insight into the Scope and Mechanism for Transmetalation of Hydrocarbyl Ligands on Complexes Relevant to C–H Activation. Organometallics, 2021, 40, 6-10.	2.3	7
3	Catalytic hydrogenation enabled by ligand-based storage of hydrogen. Chemical Communications, 2021, 57, 3869-3872.	4.1	13
4	Iron(II) Complexes Featuring a Redox-Active Dihydrazonepyrrole Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1415-1420.	1.2	2
5	Steric and electronic effects of ligand substitution on redox-active Fe ₄ S ₄ -based coordination polymers. Dalton Transactions, 2021, 50, 10798-10805.	3.3	4
6	Direct Aerobic Generation of a Ferric Hydroperoxo Intermediate Via a Preorganized Secondary Coordination Sphere. Journal of the American Chemical Society, 2021, 143, 18121-18130.	13.7	9
7	Enzyme-Like Hydroxylation of Aliphatic C–H Bonds From an Isolable Co-Oxo Complex. Journal of the American Chemical Society, 2021, 143, 20849-20862.	13.7	14
8	Redox, transmetalation, and stacking properties of tetrathiafulvalene-2,3,6,7-tetrathiolate bridged tin, nickel, and palladium compounds. Chemical Science, 2020, 11, 1066-1078.	7.4	22
9	Reversible Switching of Organic Diradical Character via Iron-Based Spin-Crossover. Journal of the American Chemical Society, 2020, 142, 17670-17680.	13.7	30
10	Generation and Reactivity of a Ni ^{III} ₂ (μ_4 -1,2-peroxo) Complex. Journal of the American Chemical Society, 2020, 142, 21634-21639.	13.7	19
11	Atomic-Resolution Imaging and Spectroscopy of Functionalized MXene Nanosheets. Microscopy and Microanalysis, 2020, 26, 2328-2330.	0.4	0
12	Generation and Oxidative Reactivity of a Ni(II) Superoxo Complex via Ligand-Based Redox Non-Innocence. Journal of the American Chemical Society, 2020, 142, 10824-10832.	13.7	24
13	Heterotri-metallic Precursor with 2:2:1 Metal Ratio Requiring at Least a Pentanuclear Molecular Assembly. Journal of the American Chemical Society, 2020, 142, 12767-12776.	13.7	14
14	Heterotrimetallic Mixed-Valent Molecular Precursors Containing Periodic Table Neighbors: Assignment of Metal Positions and Oxidation States. Angewandte Chemie - International Edition, 2020, 59, 9624-9630.	13.8	5
15	Heterotrimetallic Mixed-Valent Molecular Precursors Containing Periodic Table Neighbors: Assignment of Metal Positions and Oxidation States. Angewandte Chemie, 2020, 132, 9711-9717.	2.0	2
16	Synthesis, Structure, and Bonding of d ³ Molybdenum–Oxo Complexes. Angewandte Chemie, 2020, 132, 10668-10673.	2.0	0
17	Synthesis, Structure, and Bonding of d ³ Molybdenum–Oxo Complexes. Angewandte Chemie - International Edition, 2020, 59, 10581-10586.	13.8	1
18	Covalent surface modifications and superconductivity of two-dimensional metal carbide MXenes. Science, 2020, 369, 979-983.	12.6	870

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19	Nickel(η^5 -methyl complexes adopting unusual seesaw geometries. Chemical Communications, 2020, 56, 7861-7864.	4.1	6
20	Synthesis, modular composition, and electrochemical properties of lamellar iron sulfides. Journal of Materials Chemistry A, 2020, 8, 15834-15844.	10.3	10
21	Di-Palladium Complexes are Active Catalysts for Mono-N-Protected Amino Acid-Accelerated Enantioselective C-H Functionalization. ACS Catalysis, 2019, 9, 11386-11397.	11.2	26
22	Radical Dimerization in a Plastic Organic Crystal Leads to Structural and Magnetic Bistability with Wide Thermal Hysteresis. Journal of the American Chemical Society, 2019, 141, 17989-17994.	13.7	31
23	Mono-reduced Corannulene: To Couple and Not to Couple in One Crystal. Chemistry - A European Journal, 2019, 25, 14140-14147.	3.3	10
24	Colloidal Gelation in Liquid Metals Enables Functional Nanocomposites of 2D Metal Carbides (MXenes) and Lightweight Metals. ACS Nano, 2019, 13, 12415-12424.	14.6	41
25	Three to tango requires a site-specific substitution: heterotrimetallic molecular precursors for high-voltage rechargeable batteries. Chemical Science, 2019, 10, 524-534.	7.4	11
26	Redox-Active 1D Coordination Polymers of Iron-Sulfur Clusters. Journal of the American Chemical Society, 2019, 141, 3940-3951.	13.7	43
27	Neocuproine as a Redox-Active Ligand Platform on Iron and Cobalt. Inorganic Chemistry, 2019, 58, 9057-9066.	4.0	8
28	Nickel Promoted Condensation of Acetamide and Benzonitrile for the Synthesis of an Imidoilamidine (N-NacNac) via Stable Imidoilamide Intermediate. Organometallics, 2019, 38, 2512-2522.	2.3	2
29	Sulfonate-Ligated Coordination Polymers Incorporating Paramagnetic Transition Metals. European Journal of Inorganic Chemistry, 2019, 2019, 2613-2617.	2.0	5
30	Synthesis, Characterization, and Theoretical Investigation of a Transition State Analogue for Proton Transfer during C-H Activation by a Rhodium-Pincer Complex. Organometallics, 2019, 38, 1407-1412.	2.3	11
31	Slow Magnetic Relaxation of Co(II) Single Chains Embedded within Metal-Organic Superstructures. Inorganic Chemistry, 2019, 58, 3764-3773.	4.0	20
32	Reversible homolytic activation of water via metal-ligand cooperativity in a T-shaped Ni(η^5) complex. Chemical Science, 2019, 10, 1360-1367.	7.4	18
33	Expanding the Structural Motif Landscape of Heterometallic η^2 -Diketonates: Congruently Melting Ionic Solids. Inorganic Chemistry, 2018, 57, 2308-2313.	4.0	9
34	Intra-molecular Charge Transfer and Electron Delocalization in Non-fullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 10043-10052.	8.0	24
35	Site-Directed Dimerization of Bowl-Shaped Radical Anions to Form a π -Bonded Dibenzocorannulene Dimer. Angewandte Chemie - International Edition, 2018, 57, 6171-6175.	13.8	24
36	Isolable iodosylarene and iodoxyarene adducts of Co and their O-atom transfer and C-H activation reactivity. Chemical Science, 2018, 9, 4493-4499.	7.4	26

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37	Synthesis of Alternating Donor–Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie</i> , 2018, 130, 6552-6558.	2.0	7
38	Synthesis of Alternating Donor–Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6442-6448.	13.8	54
39	Synthesis and structural characterization of well-defined bis(oxamato)palladate(II) precatalysts for Suzuki and Heck reactions. <i>Inorganica Chimica Acta</i> , 2018, 471, 788-796.	2.4	5
40	A stable rhodium single-site catalyst encapsulated within dendritic mesoporous nanochannels. <i>Nanoscale</i> , 2018, 10, 1047-1055.	5.6	17
41	Ligand-Based Storage of Protons and Electrons in Dihydrazonepyrrole Complexes of Nickel. <i>Chemistry - A European Journal</i> , 2018, 24, 8001-8008.	3.3	22
42	Site-Directed Dimerization of Bowl-Shaped Radical Anions to Form a π -Bonded Dibenzoacorannulene Dimer. <i>Angewandte Chemie</i> , 2018, 130, 6279-6283.	2.0	10
43	Frontispiz: Synthesis of Alternating Donor–Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie</i> , 2018, 130, .	2.0	0
44	Frontispiece: Synthesis of Alternating Donor–Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	13.8	1
45	Enhanced Corrugation and Chemical Contrast of Diblock Copolymer Films by Sequential Solvent Exposures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23117-23122.	3.1	3
46	Redox Activity, Ligand Protonation, and Variable Coordination Modes of Diimino-Pyrrole Complexes of Palladium. <i>Inorganic Chemistry</i> , 2018, 57, 7044-7050.	4.0	15
47	Binary Transition-Metal Oxide Hollow Nanoparticles for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24715-24724.	8.0	60
48	Isolation of a Terminal Co(III)-Oxo Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 13176-13180.	13.7	75
49	Low-Pressure Flow Chemistry of CuAAC Click Reaction Catalyzed by Nanoporous AuCu Membrane. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25930-25935.	8.0	20
50	A three body problem: a genuine hetero-tri-metallic molecule vs. a mixture of two parent hetero-bi-metallic molecules. <i>Chemical Science</i> , 2018, 9, 4736-4745.	7.4	16
51	Record Alkali Metal Intercalation by Highly Charged Corannulene. <i>Accounts of Chemical Research</i> , 2018, 51, 1541-1549.	15.6	67
52	Crystal structure of 3-[(2-acetamidophenyl)imino]butan-2-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 193-195.	0.5	0
53	Crystal structure of 4-allyl-4,5,6,7,2-hexachlorofluorescein allyl ester unknown solvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 83-87.	0.5	0
54	New Forms of CdSe: Molecular Wires, Gels, and Ordered Mesoporous Assemblies. <i>Journal of the American Chemical Society</i> , 2017, 139, 3368-3377.	13.7	16

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55	Heterometallic molecular precursors for a lithium-iron oxide material: synthesis, solid state structure, solution and gas-phase behaviour, and thermal decomposition. Dalton Transactions, 2017, 46, 5644-5649.	3.3	23
56	Incorporation of Pyrazine and Bipyridine Linkers with High-Spin Fe(II) and Co(II) in a Metal-Organic Framework. Inorganic Chemistry, 2017, 56, 3349-3356.	4.0	19
57	Understanding and Curing Structural Defects in Colloidal GaAs Nanocrystals. Nano Letters, 2017, 17, 2094-2101.	9.1	34
58	Tuning the separation and coupling of corannulene trianion-radicals through sizable alkali metal belts. Chemical Science, 2017, 8, 3137-3145.	7.4	36
59	Mono-N-protected amino acid ligands stabilize dimeric palladium(μ -oxo) complexes of importance to C-H functionalization. Chemical Science, 2017, 8, 5746-5756.	7.4	45
60	Position Assignment and Oxidation State Recognition of Fe and Co Centers in Heterometallic Mixed-Valent Molecular Precursors for the Low-Temperature Preparation of Target Spinel Oxide Materials. Inorganic Chemistry, 2017, 56, 9574-9584.	4.0	12
61	Rhodium Complexes of 2,6-Bis(dialkylphosphinomethyl)pyridines: Improved C-H Activation, Expanded Reaction Scope, and Catalytic Direct Arylation. Organometallics, 2017, 36, 4699-4706.	2.3	16
62	Soluble Lead and Bismuth Chalcogenidometallates: Versatile Solders for Thermoelectric Materials. Chemistry of Materials, 2017, 29, 6396-6404.	6.7	14
63	Mixed-Ligand Approach to Changing the Metal Ratio in Bismuth-Transition Metal Heterometallic Precursors. Inorganic Chemistry, 2016, 55, 3946-3951.	4.0	17
64	Spin modulation and electrochemical behavior of a five-coordinate cobalt(III) salen complex. Journal of Coordination Chemistry, 2016, 69, 1695-1708.	2.2	5
65	Self-Assembled Cage Structures and Ethylene Polymerization Behavior of Palladium Alkyl Complexes That Contain Phosphine-Bis(arenesulfonate) Ligands. Organometallics, 2016, 35, 3557-3568.	2.3	13
66	Crystal structure of the inverse crown ether tetrakis[1/42-bis(trimethylsilyl)amido]-1/44-oxido-dicobalt(II)disodium, [Co ₂ Na ₂ {1/42-N(SiMe ₃) ₂ } ₄](1/44-O). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 780-784.	0.5	2
67	Volatile Single-Source Precursors for the Low-Temperature Preparation of Sodium-Rare Earth Metal Fluorides. Journal of the American Chemical Society, 2016, 138, 8883-8887.	13.7	33
68	Synthesis, structure, and reactions of a copper-sulfido cluster comprised of the parent Cu ₂ S unit: {(NHC)Cu} ₂ (1/4-S). Chemical Science, 2016, 7, 589-595.	7.4	37
69	Supramolecular trap for a transient corannulene trianion. Chemical Science, 2016, 7, 1954-1961.	7.4	36
70	Crystal structure of Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1595-1598.	0.5	1
71	Crystal structure of (n-butyl)[2-(2,6-dimethoxyphenyl)-6-methylphenyl](2-methoxyphenyl)phosphonium chloride monohydrate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 174-177.	0.5	0
72	Crystal structure of zwitterionic 2-[bis(2-methoxyphenyl)phosphoniumyl]-4-methylbenzenesulfonate monohydrate dichloromethane monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 229-232.	0.5	1

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73	Monoreduced 1,2-dihydrocorannulene versus the parent corannulene. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 690-694.	0.5	2
74	Functionalized Corannulene Carbocations: A Structural Overview. <i>Chemistry - A European Journal</i> , 2015, 21, 14268-14279.	3.3	32
75	Mixed-valent, heteroleptic homometallic diketonates as templates for the design of volatile heterometallic precursors. <i>Chemical Science</i> , 2015, 6, 2835-2842.	7.4	22
76	Addition of Dihalocarbenes to a $\text{C}_{50}\text{H}_{12}$ -Bowl: First Structural Study. <i>Crystal Growth and Design</i> , 2015, 15, 778-785.	3.0	18
77	Structural diversity and photoluminescence of copper(I) carboxylates: From discrete complexes to infinite metal-based wires and helices. <i>Coordination Chemistry Reviews</i> , 2015, 295, 125-138.	18.8	34
78	Self-assembly of tetra-reduced corannulene with mixed Li^+Rb^+ clusters: dynamic transformations, unique structures and record ^7Li NMR shifts. <i>Chemical Science</i> , 2015, 6, 1959-1966.	7.4	36
79	Self-assembly of charged corannulene with cesium ions: Always in the bowl. <i>Journal of Organometallic Chemistry</i> , 2015, 784, 69-74.	1.8	30
80	Synthesis and characterization of $\{[\text{Cu}_3\text{Sn}_2(\text{O}^i\text{Bu})_6]+[\text{Cu}(\text{hfac})_3]^- \}$: A heterometallic cluster with unique triangular copper(I) core. <i>Inorganica Chimica Acta</i> , 2015, 424, 156-161.	2.4	6
81	Route Optimization and Synthesis of Taxadienone. <i>Organic Process Research and Development</i> , 2015, 19, 284-289.	2.7	21
82	Synthesis of Borophosphonate Cage Compounds: Influence of Substituent and Concentration Effects on Product Distribution in Condensation Reactions of Aryl Phosphonic Acids and Boronic Acids. <i>Organometallics</i> , 2015, 34, 254-262.	2.3	4
83	Preparation and Characterization of Alkenyl Aryl Tetrafluoro- C_{60} -sulfanes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 526-529.	13.8	51
84	H_{2}O_{2} activation with biomimetic non-haem iron complexes and AcOH: connecting the $g = 2.7$ EPR signal with a visible chromophore. <i>Chemical Communications</i> , 2014, 50, 645-648.	4.1	51
85	Changing the bridging connectivity pattern within a heterometallic assembly: design of single-source precursors with discrete molecular structures. <i>Chemical Science</i> , 2014, 5, 813-818.	7.4	30
86	Effects of substitution on the reactivity of alkyl aryl tetrafluoro- C_{60} -sulfanes. <i>Journal of Fluorine Chemistry</i> , 2014, 167, 192-197.	1.7	27
87	Bowl-Shaped Polyarenes as Concave/Convex Shape Complementary Hosts for C_{60} - and C_{70} -Fullerenes. <i>Crystal Growth and Design</i> , 2014, 14, 756-762.	3.0	52
88	Double-Concave Binding of Biorannulenylium Dianion: Cesium vs Lithium Salts. <i>Organometallics</i> , 2014, 33, 2874-2878.	2.3	27
89	Electrocatalytic Proton Reduction by a Dicobalt Tetrakis-Schiff Base Macrocyclic in Nonaqueous Electrolyte. <i>Inorganic Chemistry</i> , 2014, 53, 7137-7145.	4.0	47
90	Mixed-Ligand Approach to Design of Heterometallic Single-Source Precursors with Discrete Molecular Structure. <i>Inorganic Chemistry</i> , 2014, 53, 4733-4738.	4.0	13

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91	Experimental and Computational Studies of the Neutral and Reduced States of Indeno[1,2- <i>b</i>]fluorene. <i>Journal of the American Chemical Society</i> , 2014, 136, 9181-9189.	13.7	41
92	Clamshell Opening in the Mixed-Metal Supramolecular Aggregates Formed by Fourfold Reduced Corannulene for Maximizing Intercalated Metal Content. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 140-145.	13.8	67
93	Volatile Heterometallic Precursors for the Low-Temperature Synthesis of Prospective Sodium Ion Battery Cathode Materials. <i>Journal of the American Chemical Society</i> , 2013, 135, 12216-12219.	13.7	40
94	Tightening of the Nanobelt upon Multielectron Reduction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5033-5036.	13.8	78
95	Building a two-dimensional network from mixed-valence copper units held together by acetone bridges. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1416-1420.	0.4	0
96	Tuning Binding of Rubidium Ions to Planar and Curved Negatively Charged π -Surfaces. <i>Organometallics</i> , 2013, 32, 3773-3779.	2.3	36
97	π -Naked-Mono- and Dianions of Corannulene with Lithium Counterions. <i>Organometallics</i> , 2013, 32, 538-543.	2.3	39
98	Structural, Electrochemical, and Spectroscopic Investigation of Acetate Bridged Dinuclear Tetrakis-Schiff Base Macrocycles of Mn and Zn. <i>Inorganic Chemistry</i> , 2013, 52, 13963-13973.	4.0	19
99	Diastereoselectivity in the Staudinger reaction of pentafluorosulfanylaldimines and ketimines. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2675-2680.	2.2	14
100	Bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato)tetrakis(1/4-1,1,1,5,5,5-hexafluoropentane-2,2,4,4-tetraolato)copper(II)octatin(II): a prospective precursor for Cu-doped SnO ₂ films. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1427-1430.	0.4	1
101	Copper(I) butyrate: a tetranuclear core revealed. <i>Zeitschrift für Kristallographie</i> , 2012, 227, 147-150.	1.1	2
102	Volatile Single-Source Molecular Precursor for the Lithium Ion Battery Cathode. <i>Journal of the American Chemical Society</i> , 2012, 134, 5762-5765.	13.7	42
103	Pentadecker Supramolecules with a Lithium Alkoxo Nanobelt Sandwiched between Two Highly Charged Buckybowl Surfaces. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12194-12198.	13.8	52
104	Jahn-Teller Effect in Circulenes: X-ray Diffraction Study of Coronene and Corannulene Radical Anions. <i>Chemistry - A European Journal</i> , 2012, 18, 15753-15760.	3.3	43
105	Functionalized corannulene cations: a detailed theoretical survey. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3554.	2.8	27
106	From Solid State to Solution: Advancing Chemistry of Bi-Bi and Bi-Rh Paddlewheel Carboxylates. <i>Inorganic Chemistry</i> , 2012, 51, 566-571.	4.0	41
107	Dirhodium Paddlewheel with Functionalized Carboxylate Bridges: New Building Block for Self-Assembly and Immobilization on Solid Support. <i>Inorganic Chemistry</i> , 2012, 51, 4855-4861.	4.0	31
108	Reshaping Rubrene by Controlled Reduction with Alkali Metals (<i>Eur. J. Inorg. Chem.</i> 29/2012). <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, .	2.0	0

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109	Self-Assembly of Charged Supramolecular Sandwiches Formed by Corannulene Tetraanions and Lithium Cations. <i>Organometallics</i> , 2012, 31, 5541-5545.	2.3	42
110	A new efficient iron catalyst for olefinepoxidation with hydrogen peroxide. <i>Chemical Communications</i> , 2012, 48, 687-689.	4.1	70
111	Polynuclear Copper(I) Clusters Supported by Carboxylate Ligands with Coordinatively Active Ester Group. <i>Journal of Cluster Science</i> , 2012, 23, 811-821.	3.3	6
112	Bowl-shaped carbocations: easy to produce, hard to reduce. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 553-558.	1.9	27
113	Reshaping Rubrene by Controlled Reduction with Alkali Metals. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4675-4683.	2.0	25
114	Functionalized fullerene cations {R-C ₆₀ } ⁺ from a theoretical point of view. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10935.	2.8	4
115	How Charging Corannulene with One and Two Electrons Affects Its Geometry and Aggregation with Sodium and Potassium Cations. <i>Chemistry - A European Journal</i> , 2012, 18, 6476-6484.	3.3	92
116	Insulated copper(i) "wires" structural variations and photoluminescence. <i>Chemical Communications</i> , 2011, 47, 6939.	4.1	18
117	Homoleptic Tetranuclear Complexes of Divalent Tin and Lead Tetraolates. <i>Inorganic Chemistry</i> , 2011, 50, 7295-7300.	4.0	6
118	Tetranuclear copper(i) carboxylates: the effect of a stepwise increase in Lewis acidity on solid-state structures and photoluminescence. <i>Dalton Transactions</i> , 2011, 40, 8598.	3.3	14
119	Selective Surface Decoration of Corannulene. <i>Journal of Organic Chemistry</i> , 2011, 76, 9572-9576.	3.2	31
120	A Main Group Metal Sandwich: Five Lithium Cations Jammed Between Two Corannulene Tetraanion Decks. <i>Science</i> , 2011, 333, 1008-1011.	12.6	210
121	A Strain-Releasing Trap for Highly Reactive Electrophiles: Structural Characterization of Bowl-Shaped Arenium Carbocations. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2971-2974.	13.8	56
122	Selective <i>Endo</i> and <i>Exo</i> Binding of Alkali Metals to Corannulene. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8090-8094.	13.8	88
123	Palladium π -adduct of corannulene. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1228-1231.	1.8	16
124	Molecular curvature tradeoffs: Bending a planar trimerccury unit over bowl-shaped polyaromatic hydrocarbons. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2877-2881.	1.8	39
125	Recyclable Dirhodium Catalysts Embedded in Nanoporous Surface-Functionalized Organosilica Hosts for Carbenoid-Mediated Cyclopropanation Reactions. <i>ChemCatChem</i> , 2010, 2, 1461-1466.	3.7	25
126	Probing the binding sites and coordination limits of buckybowl in a solvent-free environment: Experimental and theoretical assessment. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2234-2246.	18.8	123

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127	Crystal structures and quantitative structureâ€“property relationships of spirobipyrrolidinium and the oxygen-containing derivatives. <i>Journal of Molecular Structure</i> , 2010, 984, 300-306.	3.6	9
128	Coordinatively Unsaturated Polynuclear Mixed-Valent SnIIâ€“SnIV and CuIIâ€“SnIV Oxo-Centered Carboxylates. <i>Journal of Cluster Science</i> , 2010, 21, 361-370.	3.3	8
129	Steric and counterion effects on the structure of dipicolylamine nickel complexes. <i>Inorganica Chimica Acta</i> , 2010, 363, 884-890.	2.4	11
130	Monomeric Square-Planar Cobalt(II) Acetylacetonate: Mystery or Mistake?. <i>Inorganic Chemistry</i> , 2010, 49, 8430-8434.	4.0	31
131	Carbonate formation within a nickel dimer: synthesis of a coordinatively unsaturated bis(1/4-hydroxo) dinickel complex and its reactivity toward carbon dioxide. <i>Dalton Transactions</i> , 2010, 39, 2504.	3.3	36
132	Reversible Cu ₄ â†” Cu ₆ Core Interconversion and Temperature Induced Single-Crystal-to-Single-Crystal Phase Transition for Copper(I) Carboxylate. <i>Inorganic Chemistry</i> , 2010, 49, 1626-1633.	4.0	28
133	Ï€â€“Ï€ Interactions and Solid State Packing Trends of Polycyclic Aromatic Bowls in the Indenocorannulene Family: Predicting Potentially Useful Bulk Properties. <i>Crystal Growth and Design</i> , 2010, 10, 4607-4621.	3.0	81
134	Increasing the Curvature of a Bowl-Shaped Polyarene by Fullerene-like 2²-Complexation of a Transition Metal at the Interior of the Convex Surface. <i>Organometallics</i> , 2010, 29, 1231-1237.	2.3	36
135	Condensation of nitriles with amides promoted by coordinatively unsaturated bis-nickel(ii)-hydroxy complex: a new route to alkyl- and aryl-imidoamidines. <i>Chemical Communications</i> , 2010, 46, 424-426.	4.1	12
136	Foregoing Rigidity to Achieve Greater Intimacy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8473-8476.	13.8	61
137	Nickel(II) Complexes of Monofunctionalized Pyridine-Azamacrocycles: Synthesis, Structures, Pendant Arm â€œOn-Offâ€•Coordination Equilibria, and Peroxidase-like Activity. <i>Inorganic Chemistry</i> , 2009, 48, 8456-8468.	4.0	32
138	Aromatic Ï€-Systems More Curved Than C ₆₀ . The Complete Family of All Indenocorannulenes Synthesized by Iterative Microwave-Assisted Intramolecular Arylations. <i>Journal of the American Chemical Society</i> , 2009, 131, 10537-10545.	13.7	167
139	Fullerene fragments-based molecular materials: predicting properties from solid-state packing. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s85-s86.	0.3	1
140	Hexa-1/4-chlorido-hexachlorido(1⁶-hexamethylbenzene)trialuminium(III)lanthanum(III) benzene solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m286-m287.	0.2	4
141	Gas phase synthesis and X-ray crystal structures of supramolecular networks with bromocorannulene: Similarities and differences with their corannulene analogs. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1590-1596.	1.8	12
142	Lanthanum(III) chloroaluminate and chlorogallate complexes with toluene and hexamethylbenzene: The effect of arene methylation on the structure. <i>Journal of Molecular Structure</i> , 2008, 890, 116-122.	3.6	15
143	Bicorannulenyl: Stereochemistry of a C ₄₀ H ₁₈ Biaryl Composed of Two Chiral Bowls. <i>Journal of Organic Chemistry</i> , 2008, 73, 6073-6078.	3.2	47
144	Corannulene vs. C ₆₀ -fullerene in metal binding reactions: A direct DFT and X-ray structural comparison. <i>Dalton Transactions</i> , 2007, , 3871.	3.3	22

#	ARTICLE	IF	CITATIONS
145	Paracyclophanes as Versatile π -Donor Ligands Directing Formation of Extended Organometallic Networks. <i>Organometallics</i> , 2006, 25, 2135-2142.	2.3	24
146	Gas-Phase Assembling of Dirhodium Units into a Novel Organometallic Ladder: π -Structural and DFT Study. <i>Crystal Growth and Design</i> , 2006, 6, 1479-1484.	3.0	32
147	Unligated Diruthenium(II,II) Tetra(trifluoroacetate): π -The First X-ray Structural Study, Thermal Compressibility, Lewis Acidity, and Magnetism. <i>Inorganic Chemistry</i> , 2006, 45, 744-751.	4.0	38
148	1,4-Bis(p-tolylethynyl)benzene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o193-o194.	0.4	3
149	Dimethyl selenoxide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o596-o598.	0.4	11
150	Theoretical study pyridine-substituted β -diketones. <i>Computational and Theoretical Chemistry</i> , 2004, 711, 7-11.	1.5	3
151	Bulk material vs. single crystal: powder diffraction to the rescue. <i>Dalton Transactions</i> , 2004, , 4120.	3.3	7