

Dieter Lentz

List of Publications by Year in descending order

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83
papers

2,972
citations

186265

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182427

51
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all docs

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docs citations

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times ranked

2383
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Accurate crystal structures and chemical properties from NoSpherA2. <i>Chemical Science</i> , 2021, 12, 1675-1692. | 7.4 | 147 |
| 2 | Substitution Pattern-Controlled Fluorescence Lifetimes of Fluoranthene Dyes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1207-1213. | 2.6 | 2 |
| 3 | Alkoxyallene-Based LANCA Three-Component Synthesis of 1,2-Diketones, Quinoxalines, and Unique Isoindenone Dimers and a Computational Study of the Isoindenone Dimerization. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1753-1763. | 2.4 | 4 |
| 4 | Tetraethylammonium Hexafluoro Uranate(IV), Hafnate(IV), and Cerate(IV) Salts: Preparation and Solid-State Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 1052-1056. | 1.2 | 1 |
| 5 | Organic Additives to Improve Catalyst Performance for High-Temperature Polymer Electrolyte Membrane Fuel Cells. <i>ChemElectroChem</i> , 2019, 6, 3892-3900. | 3.4 | 5 |
| 6 | Dienamine-Induced Divinylcyclopropane-Cycloheptadiene Rearrangements. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5075-5079. | 13.8 | 21 |
| 7 | Naphthocage: A Flexible yet Extremely Strong Binder for Singly Charged Organic Cations. <i>Journal of the American Chemical Society</i> , 2019, 141, 4468-4473. | 13.7 | 53 |
| 8 | Corannulenes with Electron-Withdrawing Substituents: Synthetic Approaches and Resulting Structural and Electronic Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 3440-3454. | 3.3 | 33 |
| 9 | Selective Synthesis of Perfluoroalkylated Corannulenes and Investigation of their Structural, Dynamic and Electrochemical Behavior. <i>Chemistry - A European Journal</i> , 2018, 24, 10756-10765. | 3.3 | 6 |
| 10 | Organocatalytic C-F Bond Activation with Alanes. <i>Chemistry - A European Journal</i> , 2018, 24, 6769-6777. | 3.3 | 17 |
| 11 | Synthesis and Structure Revision of Dichrocephones...A and B. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2419-2422. | 13.8 | 34 |
| 12 | Synthesis and Structure Revision of Dichrocephones...A and B. <i>Angewandte Chemie</i> , 2018, 130, 2443-2446. | 2.0 | 8 |
| 13 | Synthesis of Thelepamide via Catalyst-Controlled 1,4-Addition of Cysteine Derivatives and Structure Revision of Thelepamide. <i>Organic Letters</i> , 2018, 20, 594-597. | 4.6 | 9 |
| 14 | Rare Earth Metal Catalyzed C-F Bond Activation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1229-1233. | 1.2 | 1 |
| 15 | Tetracyanocorannulene - an Easily Accessible and Strongly Electron-Deficient Compound. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6338-6342. | 2.4 | 9 |
| 16 | Tuning the Electron Affinity and Stacking Properties of Corannulene by Introduction of Fluorinated Thioethers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3022-3026. | 3.3 | 10 |
| 17 | Synthesis of (+)-Vitepyrroloid A and (+)-Vitepyrroloid B by Late-Stage Ni-Catalyzed C(sp ²)-C(sp ³) Cross-Electrophile Coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 6793-6797. | 3.2 | 8 |
| 18 | NHC-Alane Adducts as Hydride Sources in the Hydrodefluorination of Fluoroaromatics and Fluoroolefins. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4031-4043. | 2.0 | 21 |

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|----|---|------|-----------|
| 19 | To Anionâ€“ or not to Anionâ€“: The Case of Anionâ€“Binding to Divalent Fluorinated Pyridines in the Gas Phase. <i>Chemistry - A European Journal</i> , 2018, 24, 12879-12889. | 3.3 | 4 |
| 20 | Mechanistic Studies on the Organocatalytic Î±â€“Chlorination of Aldehydes: The Role and Nature of Offâ€“Cycle Intermediates. <i>Angewandte Chemie</i> , 2018, 130, 11857-11861. | 2.0 | 5 |
| 21 | Mechanistic Studies on the Organocatalytic Î±â€“Chlorination of Aldehydes: The Role and Nature of Offâ€“Cycle Intermediates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11683-11687. | 13.8 | 17 |
| 22 | Gallium Hydrides and O/Nâ€“Donors as Tunable Systems in Câ”F Bond Activation. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2908-2915. | 3.3 | 7 |
| 23 | Synthesis of Enantioenriched Bromohydrins via Divergent Reactions of Racemic Intermediates from Anchimeric Oxygen Borrowing. <i>Journal of the American Chemical Society</i> , 2018, 140, 10677-10681. | 13.7 | 26 |
| 24 | Reactivity of rhodium hydrido and silyl complexes towards 1,1-difluoroallene. <i>Journal of Fluorine Chemistry</i> , 2018, 214, 80-85. | 1.7 | 7 |
| 25 | Solid state structures of fluorine-rich fluoranthenes. <i>CrystEngComm</i> , 2017, 19, 1328-1333. | 2.6 | 12 |
| 26 | How a Thermally Unstable Metal Hydrido Complex Can Yield High Catalytic Activity Even at Elevated Temperatures. <i>Chemistry - A European Journal</i> , 2016, 22, 9305-9310. | 3.3 | 20 |
| 27 | Improving selectivity in catalytic hydrodefluorination by limiting S_NV reactivity. <i>Dalton Transactions</i> , 2016, 45, 16789-16798. | 3.3 | 13 |
| 28 | Synthese von Strophasterolâ€“..A â€“ einer Biosynthesevermutung und inhÃ“renter ReaktivitÃ“t folgend. <i>Angewandte Chemie</i> , 2016, 128, 11828-11831. | 2.0 | 4 |
| 29 | Competition of Nucleophilic Aromatic Substitution, Î¶â€“Bond Metathesis, and <i>syn</i> Hydrometalation in Titanium(III)â€“Catalyzed Hydrodefluorination of Arenes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3062-3071. | 3.3 | 15 |
| 30 | Synthesis of Strophasterolâ€“..A Guided by a Proposed Biosynthesis and Innate Reactivity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11656-11659. | 13.8 | 31 |
| 31 | Coordination chemistry and oxidative addition of trifluorovinylferrocene derivatives. <i>Journal of Fluorine Chemistry</i> , 2016, 192, 105-112. | 1.7 | 1 |
| 32 | One-Pot Synthesis of 5-Hydroxy-4<i>H</i>-1,3-thiazin-4-ones: Structure Revision, Synthesis, and NMR Shift Dependence of Thiasporine A. <i>Organic Letters</i> , 2016, 18, 3070-3073. | 4.6 | 23 |
| 33 | Percarboxylic Acid Oxidation of Î±-Hydroxy-Substituted Alkoxyâ€“allenes: The Unexpected Formation of Acyloxy-Substituted 1,2-Diketones and the Synthesis of Functionalized Quinoxalines. <i>Synthesis</i> , 2016, 48, 1491-1501. | 2.3 | 11 |
| 34 | Studies on the Synthesis of Specifically Fluorinated 4â€“Aminoâ€“pyridine Derivatives by Regioselective Nucleophilic Aromatic Substitution and Catalytic Hydrodefluorination. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3215-3228. | 4.3 | 26 |
| 35 | Simultaneous introduction of trifluoromethyl and Î±-pentafluorosulfanyl substituents using F₅Sâ€“Câ€“CF₃ as a dienophile. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5625-5628. | 2.8 | 20 |
| 36 | Synthesis of Cyclopentadiene Ligands with Fluorinated Substituents by Reaction of Cobaltocene with Fluoroalkenes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5103-5106. | 2.0 | 0 |

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|----|--|------|-----------|
| 37 | Syntheses and Properties of Multiferrocenylated Corannulenes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5391-5405. | 2.0 | 15 |
| 38 | Syntheses and Properties of Buckybowls Bearing Electron-withdrawing Groups. <i>Chemistry Letters</i> , 2014, 43, 171-177. | 1.3 | 67 |
| 39 | Fluorinated and Trifluoromethylated Corannulenes. <i>Chemistry - A European Journal</i> , 2013, 19, 13872-13880. | 3.3 | 53 |
| 40 | The Synthesis of Hexafluorosumanene and Its Congeners. <i>Chemistry - A European Journal</i> , 2013, 19, 3282-3286. | 3.3 | 33 |
| 41 | Synthesis of Fluorinated Building Blocks by Transition-Metal-Mediated Hydrodefluorination Reactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3328-3348. | 13.8 | 357 |
| 42 | Selective Catalytic Hydrodefluorination as a Key Step for the Synthesis of Hitherto Inaccessible Aminopyridine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9491-9494. | 13.8 | 36 |
| 43 | Theoretical AIM and ESI-MS Study of Ammonium Hexahydrohexaborate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2057-2064. | 1.2 | 6 |
| 44 | Synthesis of enantiomerically pure (2 <i>S</i> ,3 <i>S</i>)-5,5,5-trifluoroisoleucine and (2 <i>R</i> ,3 <i>S</i>)-5,5,5-trifluoro- <i>allo</i> -isoleucine. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2009-2014. | 2.2 | 17 |
| 45 | Experimental electron density of sumanene, a bowl-shaped fullerene fragment; comparison with the related corannulene hydrocarbon. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2218. | 2.8 | 59 |
| 46 | Electronic Properties of Trifluoromethylated Corannulenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11385-11388. | 13.8 | 106 |
| 47 | Bulky-Alkyl-Substituted Bis(trifluorovinyl)ferrocenes: Redox-Autocatalytic Formation of Fluorinated Ferrocenophanes. <i>Organometallics</i> , 2012, 31, 1500-1510. | 2.3 | 18 |
| 48 | Corannulenylferrocenes: towards a 1D, non-covalent metal-organic nanowire. <i>Chemical Communications</i> , 2012, 48, 6298. | 4.1 | 37 |
| 49 | Electron-poor N-substituted imide-fused corannulenes. <i>Chemical Communications</i> , 2012, 48, 6520. | 4.1 | 49 |
| 50 | Titanium-Catalyzed Vinylic and Allylic C-F Bond Activation: Scope, Limitations and Mechanistic Insight. <i>Chemistry - A European Journal</i> , 2012, 18, 10701-10714. | 3.3 | 86 |
| 51 | Ferrocenes with Perfluorinated Side Chains and Ferrocenophanes with Fluorinated Handles. <i>Chemistry - A European Journal</i> , 2012, 18, 3371-3389. | 3.3 | 21 |
| 52 | Synthesis of the Smallest Axially Chiral Molecule by Asymmetric Carbon-Fluorine Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2218-2220. | 13.8 | 43 |
| 53 | Autocatalytic formation of fluorinated ferrocenophanes from 1,1-bis(trifluorovinyl)ferrocene. <i>Chemical Communications</i> , 2011, 47, 7239. | 4.1 | 21 |
| 54 | Real-Space Indicators for Chemical Bonding. Experimental and Theoretical Electron Density Studies of Four Deltahedral Boranes. <i>Inorganic Chemistry</i> , 2011, 50, 90-103. | 4.0 | 45 |

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|----|---|------|-----------|
| 55 | Cymantrene- and Ferrocene-Based Complexes with Perfluorinated Bridging Moieties. <i>Organometallics</i> , 2011, 30, 2063-2066. | 2.3 | 13 |
| 56 | Synthesis of 5- <i>Acetyloxazoles</i> and 1,2-Diketones from <i>Alkoxyketoenamides</i> and Their Subsequent Transformations. <i>Chemistry - A European Journal</i> , 2011, 17, 7480-7491. | 3.3 | 46 |
| 57 | Electron Density of Corannulene from Synchrotron Data at 12 K, Comparison with Fullerenes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2010, 65, 452-460. | 0.7 | 19 |
| 58 | Three-Component Synthesis of Perfluoroalkyl- or Perfluoroaryl-Substituted 4-Hydroxypyridine Derivatives and Their Palladium-Catalyzed Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2010, 75, 726-732. | 3.2 | 53 |
| 59 | Titanium-Catalyzed C-F Activation of Fluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2933-2936. | 13.8 | 137 |
| 60 | Fluorinated butatrienes. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1173-1181. | 1.7 | 17 |
| 61 | Partially Fluorinated Butatrienes: A Coupled Cluster Study. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3609-3614. | 2.5 | 4 |
| 62 | Fluorinated dienes in transition-metal chemistry – the rich chemistry of electron-poor ligands. <i>Dalton Transactions</i> , 2010, 39, 9745. | 3.3 | 19 |
| 63 | Three-Component Synthesis of Highly Functionalized 5-Acetyloxazoles. <i>Chemistry - A European Journal</i> , 2009, 15, 5432-5435. | 3.3 | 67 |
| 64 | Pentafluorosulfanyl as a Novel Building Block for Enzyme Inhibitors: Trypanothione Reductase Inhibition and Antiprotozoal Activities of Diarylamines. <i>ChemBioChem</i> , 2009, 10, 79-83. | 2.6 | 85 |
| 65 | Combined Experimental and Theoretical Study of $(\eta^5\text{-C}_5\text{H}_5)\text{Mn}(\text{CO})_3$, $(\eta^6\text{-C}_6\text{H}_6)\text{Cr}(\text{CO})_3$, and $(\eta^5\text{-C}_5\text{H}_4\text{CF}_2)\text{CF}(\eta^5\text{-C}_5\text{H}_4\text{CF}_2)(\eta^5\text{-C}_5\text{H}_5)$. <i>Journal of the American Chemical Society</i> , 2009, 131, 1251-1268. | 13.7 | 170 |
| 66 | Hydrometalation of fluoroallenes. <i>Dalton Transactions</i> , 2009, , 4747. | 3.3 | 21 |
| 67 | C-C Coupling Reactions of Pentacarbonyl(trifluoroethenyl isocyanide)chromium with Cyclopentadienyl Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2967-2970. | 2.0 | 4 |
| 68 | Synthesis and Reactions of Trifluorovinylferrocene. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4875-4878. | 2.0 | 15 |
| 69 | Synthesis of Fluorinated Dienes by Palladium-Catalyzed Coupling Reactions. <i>Chemistry - an Asian Journal</i> , 2008, 3, 719-731. | 3.3 | 33 |
| 70 | Stabilization of Tetrafluorobutatriene by Complex Formation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4902-4904. | 13.8 | 18 |
| 71 | Exploring the Chemistry of a Double-Stranded Cycle with the Carbon Skeleton of the Belt Region of the C ₈₄ Fullerene. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 88-100. | 2.4 | 24 |
| 72 | Octafluor-1, 2-dimethylcyclobutan, ein perfluoriertes Dien-Komplexligand – Carbonyl(η^5 -cyclopentadienyl)(η^4 -octafluor-1, 2-dimethylcyclobutan)mangan. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 973-976. | 1.2 | 8 |

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|----|--|------|-----------|
| 73 | Organometallic chemistry of fluorinated propadienes and butadienes. Journal of Fluorine Chemistry, 2004, 125, 853-861. | 1.7 | 20 |
| 74 | Organometallic Chemistry of Fluorinated Allenes. Chemistry - A European Journal, 2002, 8, 1205. | 3.3 | 42 |
| 75 | Formation of novel unsaturated fluorinated ligands by metal induced C-C coupling reaction of difluoroallene with fluoromethylidyne ligands of Fe ₃ (CO) ₉ (1,4,3-CF) ₂ . Journal of Organometallic Chemistry, 2002, 641, 215-219. | 1.8 | 19 |
| 76 | Syntheses of Halogenated Ethenyl Isocyanide Chromium Complexes as Organometallic Precursor Molecules for Ethenyl and Ethynyl Isocyanides. Chemistry - A European Journal, 2001, 7, 881-893. | 3.3 | 9 |
| 77 | Fluorinated Bis(enyl) Ligands by Metal-Induced Dimerization of Fluorinated Allenes. Angewandte Chemie - International Edition, 2001, 40, 2087-2091. | 13.8 | 21 |
| 78 | Coordination Chemistry of Fluorinated Allenes. Organometallics, 1999, 18, 3962-3964. | 2.3 | 29 |
| 79 | Cyanoisocyanocetylene, N≡C-C≡N. Angewandte Chemie - International Edition, 1998, 37, 2879-2882. | 13.8 | 25 |
| 80 | Synthesis and Reactivity of Hexafluoro-1,2-diisocyanocyclobutanechromium Complexes. Angewandte Chemie International Edition in English, 1993, 32, 1456-1458. | 4.4 | 11 |
| 81 | Synthese und Reaktionen von Hexafluor-1,2-diisocyanocyclobutan-Chromkomplexen. Angewandte Chemie, 1993, 105, 1547-1549. | 2.0 | 8 |
| 82 | Trifluoromethyl Isocyanide as a Synthetic Building Block - Reaction with Trifluoroacetic Acid and with Hexafluoroacetone. Angewandte Chemie International Edition in English, 1987, 26, 921-923. | 4.4 | 19 |
| 83 | Trifluormethylisocyanid als Synthesebaustein - Reaktion mit Trifluoressigsäure und mit Hexafluoraceton. Angewandte Chemie, 1987, 99, 951-953. | 2.0 | 14 |