

# Beate Neumann

## List of Publications by Year in descending order

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66  
papers

1,455  
citations

331538

21  
h-index

360920

35  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide RNAi screening identifies human proteins with a regulatory function in the early secretory pathway. <i>Nature Cell Biology</i> , 2012, 14, 764-774.	4.6	178
2	Work Flow for Multiplexing siRNA Assays by Solid-Phase Reverse Transfection in Multiwell Plates. <i>Journal of Biomolecular Screening</i> , 2008, 13, 575-580.	2.6	74
3	Decamethylsilicocene Chemistry: An Unprecedented Multistep Reactions of a Silicon(II) Compound with the Heterocumulenes CO <sub>2</sub> , COS, CS <sub>2</sub> , and RNCS (R = Methyl, Phenyl). <i>Organometallics</i> , 1996, 15, 753-759.	1.1	72
4	Germynes and Germyl Cations with the 2,4-Di-tert-butyl-6-(N,N-dimethylaminomethyl)phenyl Ligand. <i>Organometallics</i> , 1998, 17, 2149-2151.	1.1	58
5	Novel Heteroleptic Germanium(II) Compounds from [2,4-Di-tert-butyl-6-((dimethylamino)methyl)phenyl]germanium Chloride: Synthesis, Structure, and Derivatization. <i>Organometallics</i> , 1999, 18, 4778-4784.	1.1	58
6	Decamethylsilicocene Chemistry: Reaction with Representative Aldehydes and Ketones. <i>Organometallics</i> , 1996, 15, 1930-1934.	1.1	55
7	2,3,6,7,10,11-Hexamethoxytribenzotriquinacene: Synthesis, Solid-State Structure, and Functionalization of a Rigid Analogue of Cyclotriveratrylene. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2381-2397.	1.2	55
8	Reaction of Decamethylsilicocene with Group 13 Element Halides: Insertions, Rearrangements, and Eliminations. <i>Organometallics</i> , 1999, 18, 5531-5538.	1.1	52
9	Crystal structures, binding interactions, and ADME evaluation of brain penetrant N -substituted indazole-5-carboxamides as subnanomolar, selective monoamine oxidase B and dual MAO-A/B inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 470-492.	2.6	50
10	Isolation of a Ge(I) Diradicaloid and Dihydrogen Splitting. <i>Journal of the American Chemical Society</i> , 2021, 143, 121-125.	6.6	36
11	Synthesis and Structure of the First Oxygen-Donor-Stabilized Organogermanium(II) Compounds. <i>Organometallics</i> , 2001, 20, 42-46.	1.1	34
12	Direct functionalization of white phosphorus with anionic dicarbenes and mesoionic carbenes: facile access to 1,2,3-triphosphol-2-ides. <i>Chemical Science</i> , 2019, 10, 11078-11085.	3.7	34
13	An Open-Shell Singlet Sn <sup>I</sup> Diradical and H <sub>2</sub> Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6414-6418.	7.2	34
14	Synthesis and Characterization of the Ferric-Substituted Silicon(II) Compound Me <sub>5</sub> C <sub>5</sub> (CO) <sub>2</sub> FeSiC <sub>5</sub> Me <sub>5</sub> . <i>Organometallics</i> , 2010, 29, 4759-4761.	1.1	33
15	Fluoride complexation by bidentate silicon Lewis acids. <i>Dalton Transactions</i> , 2017, 46, 1898-1913.	1.6	28
16	Enantiomerically Pure Tribenzotriquinacenes through Stereoselective Synthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13764-13768.	7.2	26
17	Decamethylsilicocene Chemistry: Reaction with Carbon-Nitrogen Triple-Bond Species. <i>Organometallics</i> , 1996, 15, 3659-3663.	1.1	25
18	Tribenzotriquinacenes that Bear Three Peripheral Pentaphenylphenyl Residues: Steric Crowding at a Bowl-Shaped Core. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7469-7480.	1.2	25

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19	Synthesis, Structure, and Significance for MOCVD of Intramolecularly Base-Stabilized Monomeric Cyclopentadienylaluminum and -gallium Dihydrides#. <i>Organometallics</i> , 2000, 19, 1292-1298.	1.1	23
20	A xanthone and a phenylanthraquinone from the roots of <i>Bulbine frutescens</i> , and the revision of six seco-anthraquinones into xanthenes. <i>Phytochemistry Letters</i> , 2014, 9, 67-73.	0.6	22
21	Antibacterial and Antioxidant Xanthenes and Benzophenone from <i>Garcinia smeathmannii</i> . <i>Planta Medica</i> , 2015, 81, 594-599.	0.7	22
22	Tridentate Lewis-acids based on triphenylsilane. <i>Dalton Transactions</i> , 2017, 46, 1645-1659.	1.6	22
23	1,5-Disubstituted 1,2,3-Triazole-Containing Peptidotriazolamers: Design Principles for a Class of Versatile Peptidomimetics. <i>Chemistry - A European Journal</i> , 2018, 24, 953-961.	1.7	21
24	Nickel-Catalyzed Intramolecular 1,2-Aryl Migration of Mesoionic Carbenes (iMICs). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2969-2973.	7.2	20
25	Isolation of a 16-Electrons 1,4-Diphosphine-1,4-diide with a Planar C <sub>4</sub> P <sub>2</sub> Ring. <i>Chemistry - A European Journal</i> , 2021, 27, 3055-3064.	1.7	20
26	Poly-Lewis-acids based on bowl-shaped tribenzotriquinacene. <i>Dalton Transactions</i> , 2017, 46, 1112-1123.	1.6	19
27	Distannabarrelenes with Three Coordinated Sn <sup>II</sup> Atoms. <i>Chemistry - A European Journal</i> , 2020, 26, 11113-11118.	1.7	19
28	Tridentate Lewis acids with phenyl substituted 1,3,5-trisilacyclohexane backbones. <i>Dalton Transactions</i> , 2016, 45, 198-207.	1.6	18
29	Inherently Chiral Resorcin[4]arenes with Urea and Amide Side Arms: Synthesis, Structure and Chiral Recognition. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1240-1245.	1.2	17
30	Isolation of 1,4-Diarsine-1,4-diide and 1,4-Diarsine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15849-15853.	7.2	17
31	Three phragmalin-type limonoids orthoesters and the structure of odoratone isolated from the bark of <i>Entandrophragma candollei</i> (Meliaceae). <i>Phytochemistry</i> , 2021, 181, 112537.	1.4	16
32	Neutral and Cationic Silicon Species Containing Aryl-CO- or Aryl-SCS-Type Pincer Ligands: Synthesis, Structure, Bonding, and Comparison with Aryl-CNCN Systems. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1326-1334.	0.6	14
33	Inherently Chiral Cyano-Substituted Resorcin[4]arene: A Promising Starting Point for Further Functionalization. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3955-3961.	1.2	14
34	Phenanthro-Annulated [5.5.6.6]- and (Broken) [6.5.6]Fenestranes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 53-65.	1.2	14
35	Asymmetric synthesis of propargylamines as amino acid surrogates in peptidomimetics. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2428-2441.	1.3	14
36	Isolation of singlet carbene derived 2-arsa-1,3-butadiene radical cations and dications. <i>Chemical Communications</i> , 2020, 56, 3575-3578.	2.2	14

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37	Tridentate Lewis Acids: Boron-, Silicon- and Gallium-Functionalised Tris(dimethylsilyl)methanes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1257-1266.	1.0	13
38	Stereoselective Epoxidation of Cyclohexa-Anellated Triquinacenes with Iodine/Silver(I) Oxide As Compared to Chloroperbenzoic Acid. <i>Journal of Organic Chemistry</i> , 1996, 61, 3839-3843.	1.7	12
39	Methoxy-substituted centrohexaindanes through the fenestrane route. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 570-571.	1.5	12
40	Centrohexaindane: six benzene rings mutually fixed in three dimensions – solid-state structure and six-fold nitration. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11722-11737.	1.3	12
41	Combining Stereoselective Enzyme Catalysis with Chirality-Assisted Synthesis in Tribenzotriquinacene Chemistry. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3891-3899.	1.2	12
42	Metalloradical Cations and Dications Based on Divinyldiphosphene and Divinyldiarsene Ligands. <i>Chemistry - A European Journal</i> , 2021, 27, 5803-5809.	1.7	12
43	An Elusive Nonaromatic Goal behind the Centropolyindanes: Aufbau of Veratrol-Anellated Centropolyquinanes and Ozonolytic Abbau. <i>ChemPlusChem</i> , 2017, 82, 1078-1095.	1.3	10
44	Crystal structure and configuration revision of 9-hydroxy-7,8-dehydro-sarcotrocheliol and sarcotrocheliol. <i>Natural Product Research</i> , 2019, 33, 3029-3032.	1.0	9
45	Dendrimers with 1, 3, 5-Trisilacyclohexane as Core Unit. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 329-334.	0.6	8
46	Bi- and tridentate silicon-based acceptor molecules. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 383-391.	0.3	8
47	Beilschmiedic Acids F and G, Further Endiandric Acid Derivatives from Beilschmiedia anacardioides. <i>Helvetica Chimica Acta</i> , 2011, 94, 1071-1076.	1.0	7
48	Two 2,6-Dioxabicyclo[3.3.1]nonan-3-ones from Phragmanthera capitata (Spreng.) Balle (Loranthaceae). <i>Helvetica Chimica Acta</i> , 2015, 98, 945-952.	1.0	7
49	Tribenzotriquinacene-Based Triscyclophanes: Intra- and Inter-Wing C <sub>3</sub> -Symmetrical Extension of the Bowl-Shaped Tribenzotriquinacene Core. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2835-2847.	1.2	7
50	Crystalline phosphino-functionalized mesoionic olefins (p-MIOs). <i>Dalton Transactions</i> , 2022, 51, 8217-8222.	1.6	7
51	Hexadentate Poly-Lewis Acids Based on 1,3,5-Trisilacyclohexane. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3083-3090.	1.0	6
52	Silicon-Bridged Bi- and Tridentate Lewis Acidic Host Systems. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3265-3271.	1.0	4
53	A cyclopenta[hi]acephenanthrylene bearing two benzoannellated [3.3.3]propellane units: extension of triptindane chemistry. <i>Canadian Journal of Chemistry</i> , 2017, 95, 390-398.	0.6	3
54	Dodecaboro- and Dodecaiodocentrohexaindane: T <sub>d</sub> -Symmetrical Key Building Blocks for Twelve-Fold Cross-Coupling Reactions and Six-Fold Orthogonal Extension. <i>Chemistry - A European Journal</i> , 2018, 24, 9316-9324.	1.7	3

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55	Synthesis of Directed, Tridentate Lewis Acids Based on a Trisilacyclohexane Backbone via Hydrosilylation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1967-1972.	0.6	3
56	Bidentate Lewis Acids Derived from <i>o</i> -Diethynylbenzene with Group 13 and 14 Functions. <i>ChemistryOpen</i> , 2021, 10, 1020-1027.	0.9	3
57	Systems Approaches to Unravel Molecular Function: High-content siRNA Screen Identifies TMEM16A Traffic Regulators as Potential Drug Targets for Cystic Fibrosis. <i>Journal of Molecular Biology</i> , 2022, 434, 167436.	2.0	3
58	Merging Tribenzotriquinacene and Triptycene. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2828-2841.	1.2	2
59	One-pot desilylation-Sonogashira coupling. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 489-495.	0.3	2
60	The twinned crystal structure of (4 <i>S</i> )-7-benzyl-2,4,8,8-tetramethyl-7,8-dihydroimidazo[5,1- <i>c</i> ][1,2,4]triazine-3,6-dione, C <sub>16</sub> H <sub>20</sub> N <sub>4</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2017, 232, 231-233.	0.1	2
61	Crystal and molecular structure of aflatrem. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o867-o868.	0.2	1
62	Synthesis and Solid-state Structures of 1,3- and 1,4-Bis(diethylgallyl) benzene. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009, 64, 1375-1380.	0.3	0
63	Crystal structure of obscurine: a natural product isolated from the stem bark of <i>B. obscura</i> . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o457-o458.	0.2	0
64	Synthesis of Bifunctional Boron Lewis Acids – Thorough Investigation of the Adduct Formation with Pyrimidine. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	0
65	Diphenyl- and Dimesitylphosphanyl-Substituted 3,3,4,4,5,5-Hexafluorocyclopentenyl Gold(I) Dimers – Syntheses and Solid State Structures. <i>European Journal of Inorganic Chemistry</i> , 0, , .	1.0	0
66	Synthesis of a bifunctional boron-Lewis acid and studies on host-guest chemistry using pyridine and TMPD. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2022, 77, 141-148.	0.3	0