Erich Kleinpeter

List of Publications by Year
in descending order

57	1,342	304743	361022
papers	citations	22 h-index	35 g-index

59	59	59	899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic State of Pushâ^'Pull Alkenes:Â An Experimental Dynamic NMR and Theoretical ab Initio MO Study. Journal of Organic Chemistry, 2004, 69, 4317-4329.	3.2	131
2	Visualization of through space NMR shieldings of aromatic and anti-aromatic molecules and a simple means to compare and estimate aromaticity. Computational and Theoretical Chemistry, 2007, 811, 45-60.	1.5	127
3	Endohedral and External Through-Space Shieldings of the Fullerenes C₅₀, C₆₀, C₆₀⁻⁶, C₇₀, and C₇₀⁻⁶Visualization of (Anti)Aromaticity and Their Effects on the Chemical Shifts of Encapsulated Nuclei. Journal of Organic Chemistry, 2008, 73, 1498-1507.	3.2	79
4	Conformational Analysis of Saturated Heterocyclic Six-Membered Rings. Advances in Heterocyclic Chemistry, 2004, 86, 41-127.	1.7	77
5	Quantification of the Pushâ^'Pull Effect in Tolanes and a Revaluation of the Factors Affecting the 13C Chemical Shifts of the Carbon Atoms of the Câ‹®C Triple Bond. Journal of Organic Chemistry, 2006, 71, 3869-3875.	3.2	58
6	Separation of Anisotropic and Steric Substituent Effectsâ^'Nuclear Chemical Shielding Analysis of H-4 and C-4 in Phenanthrene and 11-Ethynylphenanthrene. Journal of the American Chemical Society, 2004, 126, 2231-2236.	13.7	55
7	Ab initio calculation of the anisotropy effect of multiple bonds and the ring current effect of arenesâ€"application in conformational and configurational analysis. Perkin Transactions II RSC, 2001, , 1893-1898.	1.1	48
8	Quantification of the pushâ€"pull effect in substituted alkenes. Tetrahedron Letters, 2005, 46, 5995-5997.	1.4	48
9	The Interplay of Thio(seleno)amide/Vinylogous Thio(seleno)amide â€œResonanceâ€•and the Anisotropic Effect of Thiocarbonyl and Selenocarbonyl Functional Groups. Journal of Organic Chemistry, 2005, 70, 6592-6602.	3.2	42
10	Conformational preferences of Siâ€"Ph,H and Siâ€"Ph,Me silacyclohexanes and 1,3-thiasilacyclohexanes. Additivity of conformational energies in 1,1-disubstituted heterocyclohexanes. Tetrahedron, 2012, 68, 114-125.	1.9	34
11	The anisotropic effect of functional groups in 1H NMR spectra is the molecular response property of spatial nucleus independent chemical shifts (NICS)â€"Conformational equilibria of exo/endotetrahydrodicyclopentadiene derivatives. Organic and Biomolecular Chemistry, 2011, 9, 1098-1111.	2.8	33
12	Quantification of the (anti)aromaticity of fulvenes subject to ring size. Tetrahedron Letters, 2008, 49, 2776-2781.	1.4	32
13	Quantification of the (Anti)Aromaticity of Fulvalenes Subjected to Ï€-Electron Cross-Delocalization. Journal of Organic Chemistry, 2008, 73, 56-65.	3.2	32
14	Visualization of homoaromaticity in cations, neutral molecules and anions by spatial magnetic properties (through space NMR shieldings)â€"an 1H/13C NMR chemical shift study. Tetrahedron, 2009, 65, 5350-5360.	1.9	32
15	Synthesis of primary thiocarbamates by silica sulfuric acid as effective reagent under solid-state and solution conditions. Journal of Molecular Structure, 2012, 1024, 156-162.	3.6	31
16	Metal-Free Regioselective Monocyanation of Hydroxy-, Alkoxy-, and Benzyloxyarenes by Potassium Thiocyanate and Silica Sulfuric Acid as a Cyanating Agent. Journal of Organic Chemistry, 2019, 84, 1748-1756.	3.2	31
17	Chelatoaromaticityâ€"existing: yes or no? An answer given by spatial magnetic properties (through) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	30
18	Antiaromaticity Proved by the Anisotropic Effect in ¹H NMR Spectra. Journal of Physical Chemistry A, 2012, 116, 5674-5680.	2.5	30

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19	Silacyclohexanes and silaheterocyclohexanesâ€"why are they so different from other heterocyclohexanes?. Tetrahedron, 2013, 69, 5927-5936.	1.9	30
20	Pushâ^'Pull vs Captodative Aromaticity. Journal of Physical Chemistry A, 2008, 112, 10895-10903.	2.5	25
21	Conformational analysis of 3â€methylâ€3â€silathiane and 3â€fluoroâ€3â€methylâ€3â€silathiane. Journal of Physical Organic Chemistry, 2011, 24, 320-326.	1.9	25
22	The anisotropic effect of functional groups in 1H NMR spectra is the molecular response property of spatial NICSâ€"the frozen conformational equilibria of 9-arylfluorenes. Tetrahedron, 2011, 67, 5740-5743.	1.9	22
23	Hyperconjugation and the Increasing Bulk of OCOCX3 Substituents in Trans-1,4-Disubstituted Cyclohexanes Destabilize the Diequatorial Conformer. Journal of Organic Chemistry, 2006, 71, 4393-4399.	3.2	20
24	Molecular structure and conformational analysis of 3-methyl-3-phenyl-3-silatetrahydropyran. Gas-phase electron diffraction, lowÂtemperature NMR and quantum chemical calculations. Tetrahedron, 2015, 71, 3810-3818.	1.9	20
25	Tautomerism, regioisomerism, and cyclization reactions of acridinyl thiosemicarbazides. Journal of Heterocyclic Chemistry, 2006, 43, 633-643.	2.6	16
26	Quantification of the Pushâ^'Pull Effect in Substituted Alkynes. Evaluation of Â±I/Â±MSubstituent Effects in Terms of Câ‰¡C Bond Length Variation. Journal of Physical Chemistry A, 2009, 113, 6774-6778.	2.5	16
27	Quantification and Visualization of the Anisotropy Effect in NMR Spectroscopy by Through-Space NMR Shieldings. Annual Reports on NMR Spectroscopy, 2014, 82, 115-166.	1.5	16
28	Conformational analysis of 3,3â€dimethylâ€3â€silathiane, 2,3,3â€trimethylâ€3â€silathiane and 2â€trimethylsilylâ€3,3â€dimethylâ€3â€silathianeâ€"preferred conformers, barriers to ring inversion and substituent effects. Journal of Physical Organic Chemistry, 2010, 23, 859-865.	1.9	15
29	Synthesis and Conformational Analysis of 3-Methyl-3-silatetrahydropyran by GED, FTIR, NMR, and Theoretical Calculations: Comparative Analysis of 1-Hetero-3-methyl-3-silacyclohexanes. Journal of Organic Chemistry, 2015, 80, 12492-12500.	3.2	14
30	Benzenium Ion: Aromatic as the Ï€-Complex or Antiaromatic as the Ï*f*-Complex Being Somewhat Similar to the Cyclopentadienyl Cation. Journal of Physical Chemistry A, 2019, 123, 4443-4451.	2.5	12
31	(Anti)aromaticity of dehydroannulenes of various ring size proved by the ring current effect in 1H NMR spectra. Tetrahedron, 2013, 69, 1481-1488.	1.9	11
32	Pushâ€"pull allenes-conjugation, (anti)aromaticity and quantification of the pushâ€"pull character. Tetrahedron, 2013, 69, 2436-2445.	1.9	10
33	Molecular Structure and Conformational Analysis of 1-Phenyl-1-X-1-Silacyclohexanes (X = F, Cl) by Electron Diffraction, Low-Temperature NMR, and Quantum Chemical Calculations. Journal of Organic Chemistry, 2017, 82, 461-470.	3.2	10
34	Conformational Preferences of the Phenyl Group in 1-Phenyl-1-X-1-silacyclo-hexanes (X = MeO, HO) and 3-Phenyl-3-X-3-silatetrahydropyrans (X = HO, H) by Low Temperature ¹³C NMR Spectroscopy and Theoretical Calculations. Journal of Organic Chemistry, 2017, 82, 13414-13422.	3.2	10
35	Stable Carbenes or Betaines?. European Journal of Organic Chemistry, 2018, 2018, 3114-3121.	2.4	10
36	Is the term â€œCarbeneâ€•justified for remote N-heterocyclic carbenes (r-NHCs) and abnormal N-heterocyclic carbenes (aNHCs/MICs)?. Tetrahedron, 2019, 75, 1548-1554.	1.9	10

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37	The ¹³C chemical shift and the anisotropy effect of the carbene electronâ€deficient centre: Simple means to characterize the electron distribution of carbenes. Magnetic Resonance in Chemistry, 2020, 58, 280-292.	1.9	9
38	Study of the Substituent-Influenced Anomeric Effect in the Ring-Chain Tautomerism of 1-Alkyl-3-aryl-naphth[1,2-e][1,3]oxazines. European Journal of Organic Chemistry, 2006, 2006, 4670-4675.	2.4	8
39	Synthesis and Conformational Analysis of Tetrahydroisoquinolineâ€Fused 1,3,2â€Oxazaphospholidines and 1,2,3â€OxathiazolÂidines. European Journal of Organic Chemistry, 2008, 2008, 1464-1472.	2.4	8
40	Synthesis, conformational preferences in gas and solution, and molecular gear rotation in 1-(dimethylamino)-1-phenyl-1-silacyclohexane by gas phase electron diffraction (GED), LT NMR and theoretical calculations. Tetrahedron, 2018, 74, 4299-4307.	1.9	8
41	Anisotropy Effect of Three-Membered Rings in ¹H NMR Spectra: Quantification by TSNMRS and Assignment of the Stereochemistry. Journal of Physical Chemistry A, 2015, 119, 4268-4276.	2.5	7
42	BenzyneÂâ^' an acetylene- or cumulene-like electronic structure?. Tetrahedron, 2019, 75, 4663-4668.	1.9	7
43	Bent Allenes or Di-1,3-betainesâ€"An Answer Given on the Magnetic Criterion. Journal of Physical Chemistry A, 2020, 124, 3180-3190.	2.5	7
44	Synthesis of 3-fluoro-3-methyl-3-silatetrahydropyran and its conformational preferences in gas and solution by GED, NMR and theoretical calculations. Tetrahedron, 2018, 74, 1859-1867.	1.9	6
45	Characterization and quantification of quasi-aromaticity by spatial magnetic properties (TSNMRS). Tetrahedron, 2015, 71, 5275-5284.	1.9	5
46	Twisted C=C Double Bonds with Very Low Rotational Barriers in Dioxanediones and Isoxazolones Determined by Lowâ€Temperature Dynamic NMR Spectroscopy and Computational Chemistry. European Journal of Organic Chemistry, 2016, 2016, 4985-4990.	2.4	5
47	Y-aromaticity â€“ existing: yes or no? An answer given on the magnetic criterion (TSNMRS). Tetrahedron, 2016, 72, 1675-1685.	1.9	5
48	Chiral Dopants Derived from Ephedrine/Pseudoephedrine: Structure and Medium Effects on the Helical Twisting Power. Molecular Crystals and Liquid Crystals, 2015, 608, 14-24.	0.9	3
49	1-Methylthio-1-phenyl-1-silacyclohexane: Synthesis, conformational preferences in gas and solution by GED, NMR and theoretical calculations. Tetrahedron, 2019, 75, 130677.	1.9	3
50	Very lowâ€temperature dynamic ²⁹Si NMR study of the conformational equilibrium of (1,1â€²â€phenylâ€1,1â€²â€silacyclohexâ€1â€yl)disiloxane. Magnetic Resonance in Chemistry, 2019, 57, 317-319.	1.9	3
51	Synthesis and Conformational Analysis of Naphthoxazine-Fused Phenanthrene Derivatives. Molecules, 2020, 25, 2524.	3.8	2
52	Dative or coordinative carbonâ^'boron bond in boron trapped N-heterocyclic carbenes (NHCs)? An answer given on the magnetic criterion. Tetrahedron, 2021, 80, 131787.	1.9	2
53	Quantification of Ïƒ-Acceptor and Ï€-Donor Stabilization in O, S and Hal Analogues of N-Heterocyclic Carbenes (NHCs) on the Magnetic Criterion. Journal of Physical Chemistry A, 2021, 125, 7235-7245.	2.5	2
54	Cyclazinesâ€Structure and Aromaticity or Antiaromaticity on the Magnetic Criterion. European Journal of Organic Chemistry, 2022, 2022, .	2.4	2

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55	Intramolecular carbene stabilization via 3c,2e bonding on basis of the magnetic criterion. Tetrahedron, 2021, 95, 132357.	1.9	1
56	A lowâ€temperature dynamic ¹H, ¹³C, and ⁷⁷Se NMR study of 2,2â€²â€selenodicyclohexanol. Magnetic Resonance in Chemistry, 2022, 60, 165-171.	1.9	1
57	At the Experimental Limit of the NMR Conformational Analysis: ²⁹Si and ¹³C NMR Study of the Conformational Equilibrium of 1-Phenyl-1-tert-butylsilacyclohexane. Organic Letters, 2021, 23, 405-409.	4.6	0