

Friedrich Matthias Bickelhaupt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

382
papers

26,133
citations

70
h-index

152
g-index

436
ext. papers

29,018
ext. citations

5.3
avg. IF

7.48
L-index

#	Paper	IF	Citations
382	B-DNA Structure and Stability: The Role of Nucleotide Composition and Order.. <i>ChemistryOpen</i> , 2022 , e202100231	2.3	
381	B-DNA Structure and Stability: The Role of Nucleotide Composition and Order.. <i>ChemistryOpen</i> , 2022 , 11, e202200013	2.3	
380	Polycyclic Aromatic Hydrocarbons (PAHs) in Interstellar Ices: A Computational Study into How the Ice Matrix Influences the Ionic State of PAH Photoproducts.. <i>ACS Earth and Space Chemistry</i> , 2022 , 6, 766-774	3.2	0
379	The Chemical Bond: When Atom Size Instead of Electronegativity Difference Determines Trend in Bond Strength. <i>Chemistry - A European Journal</i> , 2021 , 27, 15616-15622	4.8	6
378	The Pauli Repulsion-Lowering Concept in Catalysis. <i>Accounts of Chemical Research</i> , 2021 , 54, 1972-1981	24.3	22
377	Not Carbon s-p Hybridization, but Coordination Number Determines C-H and C-C Bond Length. <i>Chemistry - A European Journal</i> , 2021 , 27, 7074-7079	4.8	8
376	Do Sulfonamides Interact with Aromatic Rings?. <i>Chemistry - A European Journal</i> , 2021 , 27, 5721-5729	4.8	1
375	A Quantitative Molecular Orbital Perspective of the Chalcogen Bond. <i>ChemistryOpen</i> , 2021 , 10, 390	2.3	0
374	8 Energy decomposition analysis in the context of quantitative molecular orbital theory 2021 , 199-212		15
373	Lewis Acid-Catalyzed Diels-Alder Reactions: Reactivity Trends across the Periodic Table. <i>Chemistry - A European Journal</i> , 2021 , 27, 10610-10620	4.8	11
372	Origin of the Effect in SN2 Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 21008-21016	3.6	2
371	Bifunctional Hydrogen Bond Donor-Catalyzed Diels-Alder Reactions: Origin of Stereoselectivity and Rate Enhancement. <i>Chemistry - A European Journal</i> , 2021 , 27, 5180-5190	4.8	19
370	Proton Transfer and S ₂ Reactions as Steps of Fast Selenol and Thiol Oxidation in Proteins: A Model Molecular Study Based on GPx. <i>ChemPlusChem</i> , 2021 , 86, 525-532	2.8	10
369	Designing Rh(I)-Half-Sandwich Catalysts for Alkyne [2+2+2] Cycloadditions. <i>Synlett</i> , 2021 , 32, 561-572	2.2	4
368	Bismutamide als einfache Vermittler hochselektiver Pn-Pn-Radikal-Kupplungsreaktionen (Pn=N, P, As). <i>Angewandte Chemie</i> , 2021 , 133, 6513-6518	3.6	2
367	Bismuth Amides Mediate Facile and Highly Selective Pn-Pn Radical-Coupling Reactions (Pn=N, P, As). <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6441-6445	16.4	12
366	How Oriented External Electric Fields Modulate Reactivity. <i>Chemistry - A European Journal</i> , 2021 , 27, 5683-5693	4.8	12

365	On the Origin of Regioselectivity in Palladium-Catalyzed Oxidation of Glucosides. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 632-636	3.2	6
364	Dipolar repulsion in Halocarbonyl compounds revisited. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 20883-20891	3.6	1
363	How metallylenes activate small molecules. <i>Chemical Science</i> , 2021 , 12, 4526-4535	9.4	8
362	The pnictogen bond: a quantitative molecular orbital picture. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 13842-13852	3.6	11
361	Chemical reactivity from an activation strain perspective. <i>Chemical Communications</i> , 2021 , 57, 5880-5896	5.8	17
360	Proton Transfer and S ₂ Reactions as Steps of Fast Selenol and Thiol Oxidation in Proteins: A Model Molecular Study Based on GPx. <i>ChemPlusChem</i> , 2021 , 86, 524	2.8	1
359	A Quantitative Molecular Orbital Perspective of the Chalcogen Bond. <i>ChemistryOpen</i> , 2021 , 10, 391-401	2.3	17
358	The Gauche Effect in XCH-CH ₂ -X Revisited. <i>ChemPhysChem</i> , 2021 , 22, 641-648	3.2	8
357	Chalcogen bonds: Hierarchical ab initio benchmark and density functional theory performance study. <i>Journal of Computational Chemistry</i> , 2021 , 42, 688-698	3.5	9
356	Origin of the β -Effect in S ₂ Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20840-20848	16.4	11
355	Innenrücktitelbild: Origin of the β -Effect in SN ₂ Reactions (Angew. Chem. 38/2021). <i>Angewandte Chemie</i> , 2021 , 133, 21239-21239	3.6	
354	Switch From Pauli-Lowering to LUMO-Lowering Catalysis in Brønsted Acid-Catalyzed Aza-Diels-Alder Reactions. <i>ChemistryOpen</i> , 2021 , 10, 784-789	2.3	2
353	How Lewis Acids Catalyze Ene Reactions. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 5275	3.2	2
352	Radical Scavenging Potential of the Phenothiazine Scaffold: A Computational Analysis. <i>ChemMedChem</i> , 2021 ,	3.7	1
351	Origin of asynchronicity in Diels-Alder reactions. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 20095-20106	3.6	9
350	Nature of Alkali- and Coinage-Metal Bonds versus Hydrogen Bonds. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 315-321	4.5	2
349	Computationally Guided Molecular Design to Minimize the LE/CT Gap in D- π -A Fluorinated Triarylboranes for Efficient TADF via D and π -Bridge Tuning. <i>Advanced Functional Materials</i> , 2020 , 30, 2002064	15.6	23
348	Regioselectivity of Epoxide Ring-Openings via SN ₂ Reactions Under Basic and Acidic Conditions. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3822-3828	3.2	12

- 347 Mechanism of biomolecular recognition of trimethyllysine by the fluorinated aromatic cage of KDM5A PHD3 finger. *Communications Chemistry*, **2020**, 3, 6.3 4
- 346 Through-Space Polar- π Interactions in 2,6-Diarylthiophenols. *ChemPhysChem*, **2020**, 21, 1080 3.2
- 345 Performance of TDDFT Vertical Excitation Energies of Core-Substituted Naphthalene Diimides. *Journal of Computational Chemistry*, **2020**, 41, 1448-1455 3.5 13
- 344 Understanding the 1,3-Dipolar Cycloadditions of Allenes. *Chemistry - A European Journal*, **2020**, 26, 11529-11539 4.8 13
- 343 N-Heterocyclic Silylenes as Ligands in Transition Metal Carbonyl Chemistry: Nature of Their Bonding and Supposed Innocence. *Chemistry - A European Journal*, **2020**, 26, 11276-11292 4.8 16
- 342 Origin of rate enhancement and asynchronicity in iminium catalyzed Diels-Alder reactions. *Chemical Science*, **2020**, 11, 8105-8112 9.4 25
- 341 Diastereoselective Synthesis of β -Lactams by Ligand-Controlled Stereodivergent Intramolecular Tsuji-Trost Allylation. *Journal of Organic Chemistry*, **2020**, 85, 9566-9584 4.2 9
- 340 How Alkali Cations Catalyze Aromatic Diels-Alder Reactions. *Chemistry - an Asian Journal*, **2020**, 15, 1167-1174 11.7 18
- 339 How Lewis Acids Catalyze Diels-Alder Reactions. *Angewandte Chemie*, **2020**, 132, 6260-6265 3.6 21
- 338 How Lewis Acids Catalyze Diels-Alder Reactions. *Angewandte Chemie - International Edition*, **2020**, 59, 6201-6206 16.4 54
- 337 Ambident Nucleophilic Substitution: Understanding Non-HSAB Behavior through Activation Strain and Conceptual DFT Analyses. *Chemistry - A European Journal*, **2020**, 26, 3884-3893 4.8 13
- 336 Halogen Bonds in Ligand-Protein Systems: Molecular Orbital Theory for Drug Design. *Journal of Chemical Information and Modeling*, **2020**, 60, 1317-1328 6.1 13
- 335 Through-Space Polar- π Interactions in 2,6-Diarylthiophenols. *ChemPhysChem*, **2020**, 21, 1092-1100 3.2 5
- 334 Comparison of Molecular Recognition of Trimethyllysine and Trimethylthialysine by Epigenetic Reader Proteins. *Molecules*, **2020**, 25, 4.8 3
- 333 Understanding chemical reactivity using the activation strain model. *Nature Protocols*, **2020**, 15, 649-667 18.8 91
- 332 Activation Strain Analyses of Counterion and Solvent Effects on the Ion-Pair S₂ Reaction of and CH₃Cl. *Journal of Computational Chemistry*, **2020**, 41, 317-327 3.5 3
- 331 Distortion-Controlled Redshift of Organic Dye Molecules. *Chemistry - A European Journal*, **2020**, 26, 2080-2093 4.2 5
- 330 Ligand-Mediated Regioselective Rhodium-Catalyzed Benzotriazole-Allene Coupling: Mechanistic Exploration and Quantum Chemical Analysis. *Chemistry - A European Journal*, **2020**, 26, 2342-2348 4.8 10

329	Probing Halogen- π versus CH- π Interactions in Molecular Balance. <i>Organic Letters</i> , 2020 , 22, 7870-7873	6.2	3
328	S ₂ versus E2 Competition of F and PH Revisited. <i>Journal of Organic Chemistry</i> , 2020 , 85, 14087-14093	4.2	8
327	The Nature of Nonclassical Carbonyl Ligands Explained by Kohn-Sham Molecular Orbital Theory. <i>Chemistry - A European Journal</i> , 2020 , 26, 15690-15699	4.8	6
326	The Hydrogenation Problem in Cobalt-based Catalytic Hydroaminomethylation. <i>ChemistrySelect</i> , 2020 , 5, 13981-13994	1.8	3
325	A Unified Framework for Understanding Nucleophilicity and Protophilicity in the S ₂ /E2 Competition. <i>Chemistry - A European Journal</i> , 2020 , 26, 15538-15548	4.8	13
324	Diels-Alder reactivities of cycloalkenediones with tetrazine. <i>Journal of Molecular Modeling</i> , 2019 , 25, 33	2	5
323	Hydride affinities of cationic maingroup-element hydrides across the periodic table. <i>Results in Chemistry</i> , 2019 , 1, 100007	2.1	3
322	Cation affinities throughout the periodic table. <i>Advances in Inorganic Chemistry</i> , 2019 , 73, 123-158	2.1	1
321	Half-Sandwich Metal-Catalyzed Alkyne [2+2+2] Cycloadditions and the Slippage Span Model. <i>ChemistryOpen</i> , 2019 , 8, 143-154	2.3	6
320	Racemization and Deracemization through Intermolecular Redox Behaviour. <i>Chemistry - A European Journal</i> , 2019 , 25, 9639-9642	4.8	5
319	PyFrag 2019-Automating the exploration and analysis of reaction mechanisms. <i>Journal of Computational Chemistry</i> , 2019 , 40, 2227-2233	3.5	30
318	Dual Activation of Aromatic Diels-Alder Reactions. <i>Chemistry - A European Journal</i> , 2019 , 25, 9902-9912	4.8	12
317	Nucleophilic substitution at di- and triphosphates: leaving group ability of phosphate versus diphosphate. <i>Electronic Structure</i> , 2019 , 1, 024001	2.6	4
316	Wie Dihalogene Michael-Additionsreaktionen katalysieren. <i>Angewandte Chemie</i> , 2019 , 131, 9015-9020	3.6	15
315	How Dihalogens Catalyze Michael Addition Reactions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8922-8926	16.4	54
314	Carbon monoxide insertion at a heavy p-block element: unprecedented formation of a cationic bismuth carbamoyl. <i>Chemical Science</i> , 2019 , 10, 4169-4176	9.4	36
313	para-Selective C-H Olefination of Aniline Derivatives via Pd/S,O-Ligand Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6719-6725	16.4	67
312	Probing Through-Space Polar- π Interactions in 2,6-Diarylphenols. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3632-3637	4.2	7

311	Structural Distortion of Cycloalkynes Influences Cycloaddition Rates both by Strain and Interaction Energies. <i>Chemistry - A European Journal</i> , 2019 , 25, 6342-6348	4.8	34
310	Understanding the differences between iron and palladium in cross-coupling reactions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9651-9664	3.6	9
309	Elucidating the Trends in Reactivity of Aza-1,3-Dipolar Cycloadditions. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 378-386	3.2	23
308	Steric Effects Dictate the Formation of Terminal Arylborylene Complexes of Ruthenium from Dihydroboranes. <i>Chemistry - A European Journal</i> , 2019 , 25, 13566-13571	4.8	8
307	Alkali Metal Cation Affinities of Neutral Main-group-Element Hydrides across the Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 9137-9148	2.8	1
306	Toward Transition-Metal-Templated Construction of Arylated B Chains by Dihydroborane Dehydrocoupling. <i>Chemistry - A European Journal</i> , 2019 , 25, 16544	4.8	5
305	In My Element: Carbon. <i>Chemistry - A European Journal</i> , 2019 , 25, 19-19	4.8	
304	Chemoselectivity of Tertiary Azides in Strain-Promoted Alkyne-Azide Cycloadditions. <i>Chemistry - A European Journal</i> , 2019 , 25, 754-758	4.8	25
303	Nucleophilic Substitution in Solution: Activation Strain Analysis of Weak and Strong Solvent Effects. <i>Chemistry - A European Journal</i> , 2018 , 24, 5927-5938	4.8	33
302	Recognition of shorter and longer trimethyllysine analogues by epigenetic reader proteins. <i>Chemical Communications</i> , 2018 , 54, 2409-2412	5.8	11
301	How Mg ions lower the S ₂ @P barrier in enzymatic triphosphate hydrolysis. <i>Chemical Communications</i> , 2018 , 54, 3448-3451	5.8	15
300	Origins of the Endo and Exo Selectivities in Cyclopropenone, Iminocyclopropene, and Triafulvene Diels-Alder Cycloadditions. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3164-3170	4.2	31
299	Glucose-nucleobase pairs within DNA: impact of hydrophobicity, alternative linking unit and DNA polymerase nucleotide insertion studies. <i>Chemical Science</i> , 2018 , 9, 3544-3554	9.4	
298	Doppelte CH-Aktivierung eines maskierten Bismutamid-Kations. <i>Angewandte Chemie</i> , 2018 , 130, 3887-3891	9.1	18
297	Group 9 Metallacyclopentadienes as Key Intermediates in [2+2+2] Alkyne Cyclotrimerizations. Insight from Activation Strain Analyses. <i>ChemPhysChem</i> , 2018 , 19, 1766-1773	3.2	8
296	Double CH Activation of a Masked Cationic Bismuth Amide. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3825-3829	16.4	41
295	Ion-Pair S ₂ Reaction of OH and CH Cl: Activation Strain Analyses of Counterion and Solvent Effects. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1138-1147	4.5	9
294	Trifluoromethyl Vinyl Sulfide: A Building Block for the Synthesis of CFS-Containing Isoxazolidines. <i>Journal of Organic Chemistry</i> , 2018 , 83, 1779-1789	4.2	14

293	Nucleophilic Substitution (SN2): Dependence on Nucleophile, Leaving Group, Central Atom, Substituents, and Solvent. <i>ChemPhysChem</i> , 2018 , 19, 1248-1248	3.2	2
292	Nucleophilic Substitution (S ₂): Dependence on Nucleophile, Leaving Group, Central Atom, Substituents, and Solvent. <i>ChemPhysChem</i> , 2018 , 19, 1315-1330	3.2	85
291	Tuning Heterocalixarenes to Improve Their Anion Recognition: A Computational Approach. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 3328-3336	2.8	19
290	Integrative Theory/Experiment-Driven Exploration of a Multicomponent Reaction towards Imidazoline-2-(thi)ones. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 104-112	3.2	2
289	Oxidation of organic diselenides and ditellurides by HO for bioinspired catalyst design. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20874-20885	3.6	23
288	Highly Stable and Selective Tetrazines for the Coordination-Assisted Bioorthogonal Ligation with Vinylboronic Acids. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3054-3059	6.3	27
287	Regioselectivity of the Pauson-Khand reaction in single-walled carbon nanotubes. <i>Nanoscale</i> , 2018 , 10, 15078-15089	7.7	6
286	Arylic C-X Bond Activation by Palladium Catalysts: Activation Strain Analyses of Reactivity Trends. <i>Scientific Reports</i> , 2018 , 8, 10729	4.9	14
285	A methodology for the photocatalyzed radical trifluoromethylation of indoles: A combined experimental and computational study. <i>Journal of Fluorine Chemistry</i> , 2018 , 214, 94-100	2.1	13
284	Nature and strength of chalcogen- π bonds. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27592-27599	3.6	19
283	Factors Controlling the Diels-Alder Reactivity of Hetero-1,3-Butadienes. <i>ChemistryOpen</i> , 2018 , 7, 995-1004	4.5	17
282	Rational design of near-infrared absorbing organic dyes: Controlling the HOMO-LUMO gap using quantitative molecular orbital theory. <i>Journal of Computational Chemistry</i> , 2018 , 39, 2690-2696	3.5	17
281	Anion Recognition by Organometallic Calixarenes: Analysis from Relativistic DFT Calculations. <i>Organometallics</i> , 2018 , 37, 2167-2176	3.8	20
280	Asymmetric identity S _N 2 transition states: Nucleophilic substitution at β -substituted carbon and silicon centers. <i>International Journal of Mass Spectrometry</i> , 2017 , 413, 85-91	1.9	13
279	Eight-coordinate fluoride in a silicate double-four-ring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 828-833	11.5	11
278	B-DNA model systems in non-terran bio-solvents: implications for structure, stability and replication. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16969-16978	3.6	17
277	Understanding the Reactivity of Ion-Encapsulated Fullerenes. <i>Chemistry - A European Journal</i> , 2017 , 23, 11030-11036	4.8	28
276	Analyzing Reaction Rates with the Distortion/Interaction-Activation Strain Model. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10070-10086	16.4	649

275	Cesium's Off-the-Map Valence Orbital. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9772-9776	16.4	14
274	Das Distortion/Interaction-Activation-Strain-Modell zur Analyse von Reaktionsgeschwindigkeiten. <i>Angewandte Chemie</i> , 2017 , 129, 10204-10221	3.6	136
273	Regio- and Stereoselectivity in 1,3-Dipolar Cycloadditions: Activation Strain Analyses for Reactions of Hydrazoic Acid with Substituted Alkenes. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4313-4318	3.2	3
272	Nature of the Ru-NO Coordination Bond: Kohn-Sham Molecular Orbital and Energy Decomposition Analysis. <i>ChemistryOpen</i> , 2017 , 6, 410-416	2.3	11
271	Silylene-Induced Reduction of [Mn ₂ (CO) ₁₀]: Formation of a Five-Coordinate Silicon(IV) Complex with an O-Bound [(OC) ₄ Mn=Mn(CO) ₄] ₂ Ligand. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 186-191	2.3	5
270	Activation Strain Analysis of S ₂ Reactions at C, N, O, and F Centers. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 885-891	2.8	19
269	Role of the Chalcogen (S, Se, Te) in the Oxidation Mechanism of the Glutathione Peroxidase Active Site. <i>ChemPhysChem</i> , 2017 , 18, 2990-2998	3.2	35
268	Stabilization of 2,6-Diarylanilinium Cation by Through-Space Cation-π Interactions. <i>Journal of Organic Chemistry</i> , 2017 , 82, 9418-9424	4.2	11
267	Innentitelbild: Das Distortion/Interaction-Activation-Strain-Modell zur Analyse von Reaktionsgeschwindigkeiten (Angew. Chem. 34/2017). <i>Angewandte Chemie</i> , 2017 , 129, 10134-10134	3.6	
266	Role of Orbital Interactions and Activation Strain (Distortion Energies) on Reactivities in the Normal and Inverse Electron-Demand Cycloadditions of Strained and Unstrained Cycloalkenes. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8668-8675	4.2	48
265	Cesium's Off-the-Map Valence Orbital. <i>Angewandte Chemie</i> , 2017 , 129, 9904-9908	3.6	5
264	Macrocycles All Aflutter: Substitution at an Allylic Center Reveals the Conformational Dynamics of [13]-Macrolactones. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2623-2633	4.5	5
263	How the electron-deficient cavity of heterocalixarenes recognizes anions: insights from computation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24696-24705	3.6	25
262	Alkali Metal Cation Affinities of Anionic Main Group-Element Hydrides Across the Periodic Table. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2604-2611	4.5	10
261	Role of the Chalcogen (S, Se, Te) in the Oxidation Mechanism of the Glutathione Peroxidase Active Site. <i>ChemPhysChem</i> , 2017 , 18, 2950-2950	3.2	0
260	Deracemization of a Racemic Allylic Sulfoxide Using Viedma Ripening. <i>Crystal Growth and Design</i> , 2017 , 17, 4454-4457	3.5	20
259	Enhanced π-Back-Donation as a Way to Higher Coordination Numbers in d [M(NHC)] Complexes: A DFT Study. <i>Chemistry - A European Journal</i> , 2017 , 23, 614-622	4.8	12
258	Formation of a Trifluorophosphane Platinum(II) Complex by P-F Bond Activation of Phosphorus Pentafluoride with a Pt Complex. <i>Chemistry - A European Journal</i> , 2017 , 23, 5948-5952	4.8	7

257	Understanding the Oxidative Addition of σ Bonds to Group 13 Compounds. <i>Chemistry - A European Journal</i> , 2016 , 22, 13669-76	4.8	19
256	Stereoselective Synthesis of 1-Tuberculosinyl Adenosine; a Virulence Factor of Mycobacterium tuberculosis. <i>Journal of Organic Chemistry</i> , 2016 , 81, 6686-96	4.2	15
255	4th International Conference on Chemical Bonding. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 9353-9356	6.8	1
254	Deeper Insight into the Diels-Alder Reaction through the Activation Strain Model. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3297-3304	4.5	39
253	Ion-Pair SN 2 Substitution: Activation Strain Analyses of Counter-Ion and Solvent Effects. <i>Chemistry - A European Journal</i> , 2016 , 22, 4431-9	4.8	25
252	Source of Cooperativity in Halogen-Bonded Haloamine Tetramers. <i>ChemPhysChem</i> , 2016 , 17, 474-80	3.2	13
251	Synthesis and Hydrolysis of Alkoxy(aminoalkyl)diorganosilanes of the Formula Type $R_2(RO)Si(CH_2)_nNH_2$ (R = Alkyl, n = 1B): A Systematic Experimental and Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1641-1659	2.3	2
250	(4 + 2) and (2 + 2) Cycloadditions of Benzyne to C60 and Zig-Zag Single-Walled Carbon Nanotubes: The Effect of the Curvature. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1716-1726	3.8	26
249	Glucose-Nucleobase Pseudo Base Pairs: Biomolecular Interactions within DNA. <i>Angewandte Chemie</i> , 2016 , 128, 8785-8789	3.6	2
248	Glucose-Nucleobase Pseudo Base Pairs: Biomolecular Interactions within DNA. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8643-7	16.4	6
247	Reactivity and Selectivity of Bowl-Shaped Polycyclic Aromatic Hydrocarbons: Relationship to C60. <i>Chemistry - A European Journal</i> , 2016 , 22, 1368-78	4.8	31
246	Substituent effects on the optical properties of naphthalenediimides: A frontier orbital analysis across the periodic table. <i>Journal of Computational Chemistry</i> , 2016 , 37, 304-13	3.5	11
245	Reaction Mechanism and Regioselectivity of the Bingel-Hirsch Addition of Dimethyl Bromomalonate to $La@C_{2v}-C_{82}$. <i>Chemistry - A European Journal</i> , 2016 , 22, 5953-62	4.8	18
244	Addition-Elimination or Nucleophilic Substitution? Understanding the Energy Profiles for the Reaction of Chalcogenolates with Dichalcogenides. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 2752-61	6.4	27
243	New Insights into the Reactivity of Cisplatin with Free and Restrained Nucleophiles: Microsolvation Effects and Base Selectivity in Cisplatin-DNA Interactions. <i>ChemPhysChem</i> , 2016 , 17, 3932-3947	3.2	10
242	Alkali Metal Cation versus Proton and Methyl Cation Affinities: Structure and Bonding Mechanism. <i>ChemistryOpen</i> , 2016 , 5, 247-53	2.3	4
241	Understanding the reactivity of endohedral metallofullerenes: C78 versus $Sc_3N@C_{78}$. <i>Chemistry - A European Journal</i> , 2015 , 21, 5760-8	4.8	42
240	Bite-angle bending as a key for understanding group-10 metal reactivity of d-[M(NHC)] complexes with sterically modest NHC ligands. <i>Chemical Science</i> , 2015 , 6, 1426-1432	9.4	25

239	Direct detection of the mercury-nitrogen bond in the thymine-Hg(II)-thymine base-pair with (199)Hg NMR spectroscopy. <i>Chemical Communications</i> , 2015 , 51, 8488-91	5.8	28
238	Selective C-H and C-C Bond Activation: Electronic Regimes as a Tool for Designing d(10) MLn Catalysts. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2272-82	4.5	9
237	Six-coordinate Group 13 complexes: the role of d orbitals and electron-rich multi-center bonding. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12034-8	16.4	10
236	Role of Steric Attraction and Bite-Angle Flexibility in Metal-Mediated C-H Bond Activation. <i>ACS Catalysis</i> , 2015 , 5, 5766-5775	13.1	50
235	Chemical basis for the recognition of trimethyllysine by epigenetic reader proteins. <i>Nature Communications</i> , 2015 , 6, 8911	17.4	57
234	Activation-strain analysis reveals unexpected origin of fast reactivity in heteroaromatic azadiene inverse-electron-demand diels-alder cycloadditions. <i>Journal of Organic Chemistry</i> , 2015 , 80, 548-58	4.2	38
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