Clemence Corminboeuf

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.

130 papers 4,196 citations

35 h-index 60 g-index

146 ext. papers

5,072 ext. citations

7.4 avg, IF

6.31 L-index

| # | Paper | IF | Citations |
|-----|---|-------|-----------|
| 130 | Heteroatom oxidation controls singlet-triplet energy splitting in singlet fission building blocks <i>Chemical Communications</i> , 2022 , | 5.8 | 2 |
| 129 | Uncovering the Activity of Alkaline Earth Metal Hydrogenation Catalysis Through Molecular Volcano Plots <i>Topics in Catalysis</i> , 2022 , 65, 289-295 | 2.3 | 0 |
| 128 | Local Kernel Regression and Neural Network Approaches to the Conformational Landscapes of Oligopeptides <i>Journal of Chemical Theory and Computation</i> , 2022 , 18, 1467-1479 | 6.4 | 1 |
| 127 | Assessing the persistence of chalcogen bonds in solution with neural network potentials <i>Journal of Chemical Physics</i> , 2022 , 156, 154112 | 3.9 | 1 |
| 126 | Optimizing the Thermodynamics and Kinetics of the Triplet-Pair Dissociation in Donor-Acceptor Copolymers for Intramolecular Singlet Fission <i>Chemistry of Materials</i> , 2022 , 34, 4115-4121 | 9.6 | 2 |
| 125 | Identifying the Trade-off between Intramolecular Singlet Fission Requirements in Donor Acceptor Copolymers. <i>Chemistry of Materials</i> , 2021 , 33, 2567-2575 | 9.6 | 5 |
| 124 | Learning the Exciton Properties of Azo-dyes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5957-5962 | 6.4 | O |
| 123 | Impact of quantum-chemical metrics on the machine learning prediction of electron density. <i>Journal of Chemical Physics</i> , 2021 , 155, 024107 | 3.9 | 2 |
| 122 | Tuning the FAccepting Properties of Mesoionic Carbenes: A Combined Computational and Experimental Study. <i>Chemistry - A European Journal</i> , 2021 , 27, 11983-11988 | 4.8 | 2 |
| 121 | Pushing the Limits of the Donor-Acceptor Copolymer Strategy for Intramolecular Singlet Fission. Journal of Physical Chemistry Letters, 2021 , 12, 7270-7277 | 6.4 | 3 |
| 120 | Structure-Property Relationships in Bithiophenes with Hydrogen-Bonded Substituents. <i>Chemistry - A European Journal</i> , 2021 , 27, 3348-3360 | 4.8 | 5 |
| 119 | Helical electronic transitions of spiroconjugated molecules. <i>Chemical Communications</i> , 2021 , 57, 6408-6 | 451.8 | 6 |
| 118 | The Genesis of Molecular Volcano Plots. Accounts of Chemical Research, 2021, 54, 1107-1117 | 24.3 | 17 |
| 117 | Is a Single Conformer Sufficient to Describe the Reorganization Energy of Amorphous Organic Transport Materials?. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17355-17362 | 3.8 | 2 |
| 116 | Reaction-based machine learning representations for predicting the enantioselectivity of organocatalysts. <i>Chemical Science</i> , 2021 , 12, 6879-6889 | 9.4 | 15 |
| 115 | Tuning the Thermal Stability and Photoisomerization of Azoheteroarenes through Macrocycle Strain*. <i>Chemistry - A European Journal</i> , 2021 , 27, 419-426 | 4.8 | 6 |
| 114 | FB-ECDA: Fragment-based Electronic Coupling Decomposition Analysis for Organic Amorphous Semiconductors. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 10624-10634 | 2.8 | 1 |

(2020-2020)

| 113 | Direct, Mediated, and Delayed Intramolecular Singlet Fission Mechanism in Donor-Acceptor Copolymers. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9788-9794 | 6.4 | 7 |
|-----|--|--------|----|
| 112 | Learning (from) the Electron Density: Transferability, Conformational and Chemical Diversity. <i>Chimia</i> , 2020 , 74, 232-236 | 1.3 | 6 |
| 111 | Machine learning models of the energy curvature vs particle number for optimal tuning of long-range corrected functionals. <i>Journal of Chemical Physics</i> , 2020 , 152, 154103 | 3.9 | 7 |
| 110 | FB-REDA: fragment-based decomposition analysis of the reorganization energy for organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 11881-11890 | 3.6 | 7 |
| 109 | Data-Driven Advancement of Homogeneous Nickel Catalyst Activity for Aryl Ether Cleavage. <i>ACS Catalysis</i> , 2020 , 10, 7021-7031 | 13.1 | 17 |
| 108 | Simulating Solvation and Acidity in Complex Mixtures with First-Principles Accuracy: The Case of CHSOH and HO in Phenol. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 5139-5149 | 6.4 | 15 |
| 107 | Hamiltonian-Reservoir Replica Exchange and Machine Learning Potentials for Computational Organic Chemistry. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 3084-3094 | 6.4 | 8 |
| 106 | Crystallization and Organic Field-Effect Transistor Performance of a Hydrogen-Bonded Quaterthiophene. <i>Chemistry - A European Journal</i> , 2020 , 26, 10265-10275 | 4.8 | 4 |
| 105 | Balancing Density Functional Theory Interaction Energies in Charged Dimers Precursors to Organic Semiconductors. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 3530-3542 | 6.4 | 2 |
| 104 | Correlation between Optical Activity and the Helical Molecular Orbitals of Allene and Cumulenes. <i>Organic Letters</i> , 2020 , 22, 8028-8033 | 6.2 | 5 |
| 103 | Learning on-top: Regressing the on-top pair density for real-space visualization of electron correlation. <i>Journal of Chemical Physics</i> , 2020 , 153, 204111 | 3.9 | 9 |
| 102 | Doped but Stable: Spirobisacridine Hole Transporting Materials for Hysteresis-Free and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1792-1800 | 16.4 | 29 |
| 101 | Data-powered augmented volcano plots for homogeneous catalysis. <i>Chemical Science</i> , 2020 , 11, 12070- | 13.480 | 14 |
| 100 | The Photoisomerization Pathway(s) of Push-Pull Phenylazoheteroarenes*. <i>Chemistry - A European Journal</i> , 2020 , 26, 14724-14729 | 4.8 | 3 |
| 99 | Designing Singlet Fission Candidates from Donor Acceptor Copolymers. <i>Chemistry of Materials</i> , 2020 , 32, 6515-6524 | 9.6 | 16 |
| 98 | Optical gap and fundamental gap of oligoynes and carbyne. <i>Nature Communications</i> , 2020 , 11, 4797 | 17.4 | 13 |
| 97 | Probing Substrate Scope with Molecular Volcanoes. <i>Organic Letters</i> , 2020 , 22, 7936-7941 | 6.2 | 6 |
| 96 | Optical absorption properties of metal-organic frameworks: solid state molecular perspective. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 19512-19521 | 3.6 | 8 |

95 Direct Observation of Aggregation-Induced Emission Mechanism. *Angewandte Chemie*, **2020**, 132, 15013₃166019₅

| 94 | Direct Observation of Aggregation-Induced Emission Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14903-14909 | 16.4 | 44 |
|----|--|------|-----|
| 93 | Exploring chemical space in the search for improved azoheteroarene-based photoswitches. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20782-20790 | 3.6 | 8 |
| 92 | Electron density learning of non-covalent systems. Chemical Science, 2019, 10, 9424-9432 | 9.4 | 55 |
| 91 | Insights into Reaction Intermediates to Predict Synthetic Pathways for Shape-Controlled Metal Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16312-16322 | 16.4 | 29 |
| 90 | The influence of external electric fields on charge reorganization energy in organic semiconductors. <i>Chemical Communications</i> , 2019 , 55, 2384-2387 | 5.8 | 6 |
| 89 | Topology-Driven Single-Molecule Conductance of Carbon Nanothreads. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 825-830 | 6.4 | 13 |
| 88 | Synthesis of aminyl biradicals by base-induced Csp-Csp coupling of cationic azo dyes. <i>Chemical Science</i> , 2019 , 10, 5719-5724 | 9.4 | 20 |
| 87 | Activity-Based Screening of Homogeneous Catalysts through the Rapid Assessment of Theoretically Derived Turnover Frequencies. <i>ACS Catalysis</i> , 2019 , 9, 5716-5725 | 13.1 | 24 |
| 86 | Data Mining the Cla Cross-Coupling Genome. <i>ChemCatChem</i> , 2019 , 11, 4096-4107 | 5.2 | 10 |
| 85 | DORI Reveals the Influence of Noncovalent Interactions on Covalent Bonding Patterns in Molecular Crystals Under Pressure. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1482-1488 | 6.4 | 9 |
| 84 | Mechanisms of fluorescence quenching in prototypical aggregation-induced emission systems: excited state dynamics with TD-DFTB. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 9026-9035 | 3.6 | 19 |
| 83 | An Unconventional Iron Nickel Catalyst for the Oxygen Evolution Reaction. <i>ACS Central Science</i> , 2019 , 5, 558-568 | 16.8 | 136 |
| 82 | Tuning the structure, reactivity and magnetic communication of nitride-bridged uranium complexes with the ancillary ligands. <i>Chemical Science</i> , 2019 , 10, 8840-8849 | 9.4 | 16 |
| 81 | Open-Shell Nonbenzenoid Nanographenes Containing Two Pairs of Pentagonal and Heptagonal Rings. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12011-12020 | 16.4 | 47 |
| 80 | Dual-Facet Mechanism in Copper Nanocubes for Electrochemical CO Reduction into Ethylene. Journal of Physical Chemistry Letters, 2019 , 10, 4259-4265 | 6.4 | 30 |
| 79 | Mechanistic Study on the Photogeneration of Hydrogen by Decamethylruthenocene. <i>Chemistry - A European Journal</i> , 2019 , 25, 12769-12779 | 4.8 | 4 |
| 78 | Getting the Right Twist: Influence of DonorAcceptor Dihedral Angle on Exciton Kinetics and SingletIriplet Gap in Deep Blue Thermally Activated Delayed Fluorescence Emitter. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27778-27784 | 3.8 | 23 |

(2018-2019)

| 77 | Multiarm and Substituent Effects on Charge Transport of Organic Hole Transport Materials. <i>Chemistry of Materials</i> , 2019 , 31, 6605-6614 | 9.6 | 15 |
|----|---|---------|-----|
| 76 | Quantum Chemistry Meets Machine Learning. <i>Chimia</i> , 2019 , 73, 983-989 | 1.3 | 6 |
| 75 | Transferable Machine-Learning Model of the Electron Density. ACS Central Science, 2019, 5, 57-64 | 16.8 | 114 |
| 74 | The role of bridging ligands in dinitrogen reduction and functionalization by uranium multimetallic complexes. <i>Nature Chemistry</i> , 2019 , 11, 154-160 | 17.6 | 67 |
| 73 | i-PI 2.0: A universal force engine for advanced molecular simulations. <i>Computer Physics Communications</i> , 2019 , 236, 214-223 | 4.2 | 118 |
| 72 | Noncovalent Molecular Electronics. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2298-2304 | 6.4 | 10 |
| 71 | How does alkyl chain length modify the properties of triphenylamine-based hole transport materials?. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 960-965 | 7.1 | 19 |
| 70 | How do London Dispersion Interactions Impact the Photochemical Processes of Molecular Switches?. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 464-470 | 6.4 | 16 |
| 69 | Analyzing Fluxional Molecules Using DORI. Journal of Chemical Theory and Computation, 2018, 14, 2370 | -263479 | 5 |
| 68 | Expedited Screening of Active and Regioselective Catalysts for the Hydroformylation Reaction. <i>Helvetica Chimica Acta</i> , 2018 , 101, e1800107 | 2 | 15 |
| 67 | Machine learning meets volcano plots: computational discovery of cross-coupling catalysts. <i>Chemical Science</i> , 2018 , 9, 7069-7077 | 9.4 | 118 |
| 66 | Steric "attraction": not by dispersion alone. Beilstein Journal of Organic Chemistry, 2018, 14, 1482-1490 | 2.5 | 14 |
| 65 | Improving the Thermodynamic Profiles of Prospective SuzukiMiyaura Cross-Coupling Catalysts by Altering the Electrophilic Coupling Component. <i>ChemCatChem</i> , 2018 , 10, 1592-1597 | 5.2 | 15 |
| 64 | On the Generality of Molecular Volcano Plots. <i>ChemCatChem</i> , 2018 , 10, 1586-1591 | 5.2 | 20 |
| 63 | Unraveling Metal/Pincer Ligand Effects in the Catalytic Hydrogenation of Carbon Dioxide to Formate. <i>Organometallics</i> , 2018 , 37, 4568-4575 | 3.8 | 18 |
| 62 | Restriction Enzyme Analysis of Double-Stranded DNA on Pristine Single-Walled Carbon Nanotubes. <i>ACS Applied Materials & Double Stranded DNA on Pristine Single-Walled Carbon Nanotubes.</i> | 9.5 | 7 |
| 61 | Read between the Molecules: Computational Insights into Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16370-16386 | 16.4 | 58 |
| 60 | Exploring the Limitation of Molecular Water Oxidation Catalysts. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12404-12412 | 3.8 | 27 |

| 59 | Fine-tuned organic photoredox catalysts for fragmentation-alkynylation cascades of cyclic oxime ethers. <i>Chemical Science</i> , 2018 , 9, 5883-5889 | 9.4 | 117 |
|----|--|---------------------|-----------------|
| 58 | Infrared Spectroscopy as a Probe of Electronic Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3217-3223 | 6.4 | 8 |
| 57 | Nickel pincer model of the active site of lactate racemase involves ligand participation in hydride transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12 | 4 2- 424 | 5 ³⁰ |
| 56 | Enhancing the power conversion efficiency of dye-sensitized solar cells via molecular plasmon-like excitations. <i>Chemical Communications</i> , 2017 , 53, 2423-2426 | 5.8 | 4 |
| 55 | Photoproduction of Hydrogen by Decamethylruthenocene Combined with Electrochemical Recycling. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2324-2327 | 16.4 | 18 |
| 54 | Photoproduction of Hydrogen by Decamethylruthenocene Combined with Electrochemical Recycling. <i>Angewandte Chemie</i> , 2017 , 129, 2364-2367 | 3.6 | 5 |
| 53 | Synthesis and characterization of semiaromatic polyamides comprising benzofurobenzofuran repeating units. <i>Polymer Chemistry</i> , 2017 , 8, 2197-2209 | 4.9 | 10 |
| 52 | Heterotetracenes: Flexible Synthesis and in Silico Assessment of the Hole-Transport Properties. <i>Chemistry - A European Journal</i> , 2017 , 23, 8058-8065 | 4.8 | 21 |
| 51 | Fluorescence Quenching in BODIPY Dyes: The Role of Intramolecular Interactions and Charge Transfer. <i>Helvetica Chimica Acta</i> , 2017 , 100, e1700093 | 2 | 26 |
| 50 | Perspective: Found in translation: Quantum chemical tools for grasping non-covalent interactions. Journal of Chemical Physics, 2017 , 146, 120901 | 3.9 | 65 |
| 49 | Charge transport in highly ordered organic nanofibrils: lessons from modelling. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 350-361 | 7.1 | 17 |
| 48 | Salt-induced thermochromism of a conjugated polyelectrolyte. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 28853-28866 | 3.6 | 8 |
| 47 | A ECarbon elimination strategy for convenient access to cyclopentadienyl metal complexes. <i>Chemical Science</i> , 2017 , 8, 7174-7179 | 9.4 | 37 |
| 46 | A Rising Star: Truxene as a Promising Hole Transport Material in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21729-21739 | 3.8 | 23 |
| 45 | A Generalized Picture of Cll Cross-Coupling. ACS Catalysis, 2017, 7, 5643-5653 | 13.1 | 55 |
| 44 | Guidelines and diagnostics for charge carrier tuning in thiophene-based wires. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23254-23259 | 3.6 | 10 |
| 43 | Photochromic Torsional Switch (PTS): a light-driven actuator for the dynamic tuning of Econjugation extension. <i>Chemical Science</i> , 2017 , 8, 361-365 | 9.4 | 11 |
| 42 | How does tetraphenylethylene relax from its excited states?. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 11606-9 | 3.6 | 76 |

(2014-2016)

| 41 | Rationalizing fluorescence quenching in meso-BODIPY dyes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32668-32672 | 3.6 | 36 |
|----|---|------|----|
| 40 | Neutral Aminyl Radicals Derived from Azoimidazolium Dyes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15126-15129 | 16.4 | 32 |
| 39 | Visualizing and Quantifying Interactions in the Excited State. <i>Chemistry - A European Journal</i> , 2016 , 22, 18442-18449 | 4.8 | 21 |
| 38 | Accessing and predicting the kinetic profiles of homogeneous catalysts from volcano plots. <i>Chemical Science</i> , 2016 , 7, 5723-5735 | 9.4 | 44 |
| 37 | Beyond static structures: Putting forth REMD as a tool to solve problems in computational organic chemistry. <i>Journal of Computational Chemistry</i> , 2016 , 37, 83-92 | 3.5 | 21 |
| 36 | Implications of Charge Penetration for Heteroatom-Containing Organic Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 5198-5204 | 6.4 | 25 |
| 35 | Low-Lying 🛮 States of Heteroaromatic Molecules: A Challenge for Excited State Methods. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 2652-60 | 6.4 | 47 |
| 34 | Communication: A new class of non-empirical explicit density functionals on the third rung of Jacob's ladder. <i>Journal of Chemical Physics</i> , 2015 , 143, 111105 | 3.9 | 13 |
| 33 | Local hybrid functionals with orbital-free mixing functions and balanced elimination of self-interaction error. <i>Journal of Chemical Physics</i> , 2015 , 142, 074112 | 3.9 | 26 |
| 32 | Excited state dynamics of thiophene and bithiophene: new insights into theoretically challenging systems. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14719-30 | 3.6 | 44 |
| 31 | Linear scaling relationships and volcano plots in homogeneous catalysis - revisiting the Suzuki reaction. <i>Chemical Science</i> , 2015 , 6, 6754-6761 | 9.4 | 68 |
| 30 | Exploiting Dispersion-Driven Aggregators as a Route to New One-Dimensional Organic Nanowires. Journal of Physical Chemistry Letters, 2015 , 6, 4422-8 | 6.4 | 10 |
| 29 | Theory and practice of uncommon molecular electronic configurations. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2015 , 5, 440-459 | 7.9 | 66 |
| 28 | Intramolecular symmetry-adapted perturbation theory with a single-determinant wavefunction. <i>Journal of Chemical Physics</i> , 2015 , 143, 224107 | 3.9 | 16 |
| 27 | A fast charge-Dependent atom-pairwise dispersion correction for DFTB3. <i>International Journal of Quantum Chemistry</i> , 2015 , 115, 1265-1272 | 2.1 | 16 |
| 26 | Toward functional type III [Fe]-hydrogenase biomimics for H2 activation: insights from computation. <i>Chemistry - A European Journal</i> , 2015 , 21, 3987-96 | 4.8 | 19 |
| 25 | Functional carbon nanosheets prepared from hexayne amphiphile monolayers at room temperature. <i>Nature Chemistry</i> , 2014 , 6, 468-76 | 17.6 | 85 |
| 24 | Adjusting the Local Arrangement of Estacked Oligothiophenes through Hydrogen Bonds: A Viable Route to Promote Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2320-4 | 6.4 | 21 |

| 23 | Ligand-controlled regiodivergent pathways of rhodium(III)-catalyzed dihydroisoquinolone synthesis: experimental and computational studies of different cyclopentadienyl ligands. <i>Chemistry - A European Journal</i> , 2014 , 20, 15409-18 | 4.8 | 100 |
|----|---|------|-----|
| 22 | Simultaneous Visualization of Covalent and Noncovalent Interactions Using Regions of Density Overlap. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 3745-3756 | 6.4 | 132 |
| 21 | Minimizing density functional failures for non-covalent interactions beyond van der Waals complexes. <i>Accounts of Chemical Research</i> , 2014 , 47, 3217-24 | 24.3 | 45 |
| 20 | Exploration of zeroth-order wavefunctions and energies as a first step toward intramolecular symmetry-adapted perturbation theory. <i>Journal of Chemical Physics</i> , 2014 , 140, 154107 | 3.9 | 14 |
| 19 | How important is self-consistency for the dDsC density dependent dispersion correction?. <i>Journal of Chemical Physics</i> , 2014 , 140, 18A516 | 3.9 | 23 |
| 18 | Hierarchically structured microfibers of "single stack" perylene bisimide and quaterthiophene nanowires. <i>ACS Nano</i> , 2013 , 7, 8498-508 | 16.7 | 78 |
| 17 | A ratiometric fluorescence sensor for caffeine. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 7487-90 | 3.9 | 18 |
| 16 | Biphasic water splitting by osmocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11558-63 | 11.5 | 38 |
| 15 | Exploring the Limits of Density Functional Approximations for Interaction Energies of Molecular Precursors to Organic Electronics. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 4305-16 | 6.4 | 34 |
| 14 | Quantification of "fuzzy" chemical concepts: a computational perspective. <i>Chemical Society Reviews</i> , 2012 , 41, 4671-87 | 58.5 | 88 |
| 13 | Why are the Interaction Energies of Charge-Transfer Complexes Challenging for DFT?. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 1629-40 | 6.4 | 141 |
| 12 | Comprehensive Benchmarking of a Density-Dependent Dispersion Correction. <i>Journal of Chemical Theory and Computation</i> , 2011 , 7, 3567-77 | 6.4 | 322 |
| 11 | A density dependent dispersion correction. <i>Chimia</i> , 2011 , 65, 240-4 | 1.3 | 35 |
| 10 | Dispersion-corrected energy decomposition analysis for intermolecular interactions based on the BLW and dDXDM methods. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 5467-77 | 2.8 | 38 |
| 9 | A generalized-gradient approximation exchange hole model for dispersion coefficients. <i>Journal of Chemical Physics</i> , 2011 , 134, 044117 | 3.9 | 211 |
| 8 | A System-Dependent Density-Based Dispersion Correction. <i>Journal of Chemical Theory and Computation</i> , 2010 , 6, 1990-2001 | 6.4 | 118 |
| 7 | Why Are (NN2)Ni Pincer Complexes Active for Alkyl Alkyl Coupling: EH Elimination Is Kinetically Accessible but Thermodynamically Uphill. <i>Organometallics</i> , 2010 , 29, 3686-3689 | 3.8 | 73 |
| 6 | Oxygen and proton reduction by decamethylferrocene in non-aqueous acidic media. <i>Chemical Communications</i> , 2010 , 46, 2918-9 | 5.8 | 51 |

LIST OF PUBLICATIONS

| 5 | Unified Inter- and Intramolecular Dispersion Correction Formula for Generalized Gradient Approximation Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2009 , 5, 2950-8 | 3 ^{6.} 4 | 70 |
|---|---|-------------------|----|
| 4 | Can five-membered Te2N2S rings be considered aromatic?. Structural Chemistry, 2007, 18, 841-847 | 1.8 | 3 |
| 3 | Methoxycyclization of 1,5-Enynes by Coinage Metal Catalysts: Is Gold Always Superior?. <i>Helvetica Chimica Acta</i> ,e2100134 | 2 | 0 |
| 2 | Machine intelligence for chemical reaction space. Wiley Interdisciplinary Reviews: Computational Molecular Science, | 7.9 | 2 |
| 1 | DonorAcceptorDonor Hot ExcitonDriads for High Reverse Intersystem Crossing in OLEDs. | 8.1 | О |