

Leonardo Belpassi

List of Publications by Year in descending order

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120
papers

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101384

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127
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127
docs citations

127
times ranked

3138
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#	ARTICLE	IF	CITATIONS
1	The Chemical Bond between Au(I) and the Noble Gases. Comparative Study of NgAuF and NgAu ⁺ (Ng = Ar, Kr, Xe) by Density Functional and Coupled Cluster Methods. <i>Journal of the American Chemical Society</i> , 2008, 130, 1048-1060.	6.6	260
2	Influence of the dye molecular structure on the TiO ₂ conduction band in dye-sensitized solar cells: disentangling charge transfer and electrostatic effects. <i>Energy and Environmental Science</i> , 2013, 6, 183-193.	15.6	247
3	How π back-donation quantitatively controls the CO stretching response in classical and non-classical metal carbonyl complexes. <i>Chemical Science</i> , 2016, 7, 1174-1184.	3.7	158
4	Ion Pairing in Cationic Olefin π -Gold(I) Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 3170-3171.	6.6	134
5	Revealing Charge-Transfer Effects in Gas-Phase Water Chemistry. <i>Accounts of Chemical Research</i> , 2012, 45, 1571-1580.	7.6	107
6	Solvent-, Silver-, and Acid-Free NHC-Au-X Catalyzed Hydration of Alkynes. The Pivotal Role of the Counterion. <i>ACS Catalysis</i> , 2016, 6, 7363-7376.	5.5	106
7	Counterion Effect in the Reaction Mechanism of NHC Gold(I)-Catalyzed Alkoxylation of Alkynes: Computational Insight into Experiment. <i>ACS Catalysis</i> , 2015, 5, 803-814.	5.5	98
8	A Phosphine Gold(I) π -Alkyne Complex: Tuning the Metal π -Alkyne Bond Character and Counterion Position by the Choice of the Ancillary Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 3080-3082.	1.9	92
9	On the Dewar π -Chatt π -Duncanson Model for Catalytic Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2010, 16, 7231-7240.	1.7	91
10	Charge-Transfer Energy in the Water π -Hydrogen Molecular Aggregate Revealed by Molecular-Beam Scattering Experiments, Charge Displacement Analysis, and ab Initio Calculations. <i>Journal of the American Chemical Society</i> , 2010, 132, 13046-13058.	6.6	80
11	Ligand Effects on Bonding and Ion Pairing in Cationic Gold(I) Catalysts Bearing Unsaturated Hydrocarbons. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4121-4135.	1.0	73
12	The Chemical Bond in Gold(I) Complexes with N-Heterocyclic Carbenes. <i>Organometallics</i> , 2014, 33, 4200-4208.	1.1	73
13	Charge-displacement analysis via natural orbitals for chemical valence: Charge transfer effects in coordination chemistry. <i>Journal of Chemical Physics</i> , 2015, 142, 084112.	1.2	69
14	When the Tolman Electronic Parameter Fails: A Comparative DFT and Charge Displacement Study of [(L)Ni(CO) ₃] ⁺ and [(L)Au(CO)] ⁺ . <i>Inorganic Chemistry</i> , 2014, 53, 9907-9916.	1.9	67
15	Unexpected Anion Effect in the Alkoxylation of Alkynes Catalyzed by N-Heterocyclic Carbene (NHC) Cationic Gold Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 14594-14598.	1.7	63
16	Disentanglement of Donation and Back π -Donation Effects on Experimental Observables: A Case Study of Gold π -Ethyne Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11599-11602.	7.2	61
17	Extensive Experimental and Computational Study of Counterion Effect in the Reaction Mechanism of NHC-Gold(I)-Catalyzed Alkoxylation of Alkynes. <i>Organometallics</i> , 2016, 35, 641-654.	1.1	61
18	Recent advances and perspectives in four-component Dirac π -Kohn π -Sham calculations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12368.	1.3	59

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19	An ab Initio Benchmark and DFT Validation Study on Gold(I)-Catalyzed Hydroamination of Alkynes. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 1021-1034.	2.3	57
20	NHC-Gold-Alkyne Complexes: Influence of the Carbene Backbone on the Ion Pair Structure. <i>Organometallics</i> , 2013, 32, 4444-4447.	1.1	56
21	Fluorinated f^2 -Diketonate Diglyme Lanthanide Complexes as New Second-Order Nonlinear Optical Chromophores: The Role of f Electrons in the Dipolar and Octupolar Contribution to Quadratic Hyperpolarizability. <i>Journal of the American Chemical Society</i> , 2010, 132, 4966-4970.	6.6	55
22	A Quantitative View of Charge Transfer in the Hydrogen Bond: The Water Dimer Case. <i>ChemPhysChem</i> , 2014, 15, 2682-2687.	1.0	55
23	Molecular-Beam Scattering Experiments and Theoretical Calculations Probing Charge Transfer in Weakly Bound Complexes of Water. <i>Journal of Physical Chemistry A</i> , 2009, 113, 15223-15232.	1.1	53
24	Selectively Measuring σ -Back Donation in Gold(I) Complexes by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2015, 21, 2467-2473.	1.7	53
25	Experimental Evidence of Chemical Components in the Bonding of Helium and Neon with Neutral Molecules. <i>Chemistry - A European Journal</i> , 2015, 21, 6234-6240.	1.7	53
26	Experimental and theoretical evidence of charge transfer in weakly bound complexes of water. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9970.	1.3	52
27	π Activation of Alkynes in Homogeneous and Heterogeneous Gold Catalysis. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5239-5247.	1.1	49
28	Nuclear electric quadrupole moment of gold. <i>Journal of Chemical Physics</i> , 2007, 126, 064314.	1.2	46
29	Unraveling the Anion/Ligand Interplay in the Reaction Mechanism of Gold(I)-Catalyzed Alkoxylation of Alkynes. <i>Organometallics</i> , 2017, 36, 2364-2376.	1.1	45
30	Modulating the Bonding Properties of N^{HC} -Heterocyclic Carbenes (NHCs): A Systematic Charge Displacement Analysis. <i>Chemistry - A European Journal</i> , 2017, 23, 7558-7569.	1.7	45
31	Ion pairing in NHC gold(I) olefin complexes: A combined experimental/theoretical study. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2679-2686.	0.8	42
32	Density Relaxation in Time-Dependent Density Functional Theory: Combining Relaxed Density Natural Orbitals and Multireference Perturbation Theories for an Improved Description of Excited States. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 4014-4024.	2.3	41
33	Strong Electron-Donating Ligands Accelerate the Protodeauration Step in Gold(I)-Catalyzed Reactions: A Quantitative Understanding of the Ligand Effect. <i>Organometallics</i> , 2016, 35, 2275-2285.	1.1	41
34	A combined NMR/DFT study on the ion pair structure of $[(\text{PR})_2\text{R}_2\text{Au}(\text{I}-\text{hexyne})]\text{BF}_4$ complexes. <i>Dalton Transactions</i> , 2013, 42, 4122-4131.	1.6	40
35	Hydration and alkoxylation of alkynes catalyzed by $\text{NHC}^{\text{Au}}\text{OTf}$. <i>Green Chemistry</i> , 2018, 20, 2125-2134.	4.6	40
36	Catching the role of anisotropic electronic distribution and charge transfer in halogen bonded complexes of noble gases. <i>Journal of Chemical Physics</i> , 2015, 142, 184304.	1.2	39

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37	¹³ C-NMR Spectroscopy of σ -Heterocyclic Carbenes Can Selectively Probe π Donation in Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 2722-2728.	1.7	38
38	Electron density fitting for the Coulomb problem in relativistic density-functional theory. <i>Journal of Chemical Physics</i> , 2006, 124, 124104.	1.2	36
39	The Electronic Structure of Alkali Aurides. A Four-Component Dirac-Kohn-Sham Study. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4543-4554.	1.1	33
40	Dioxygen insertion into the gold-hydride bond: spin orbit coupling effects in the spotlight for oxidative addition. <i>Chemical Science</i> , 2016, 7, 7034-7039.	3.7	33
41	Selective Emergence of the Halogen Bond in Ground and Excited States of Noble Gas-Chlorine Systems. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4195-4199.	7.2	33
42	Spectroscopic properties of cyclometallated iridium complexes by TDDFT. <i>Computational and Theoretical Chemistry</i> , 2009, 914, 74-86.	1.5	31
43	Nature and Stability of Weak Halogen Bonds in the Gas Phase: Molecular Beam Scattering Experiments and Ab Initio Charge Displacement Calculations. <i>Crystal Growth and Design</i> , 2011, 11, 4279-4283.	1.4	30
44	Quantitative assessment of the carbocation/carbene character of the gold-carbene bond. <i>Dalton Transactions</i> , 2015, 44, 13999-14007.	1.6	29
45	Relationship between the anion/cation relative orientation and the catalytic activity of nitrogen acyclic carbene-gold catalysts. <i>Catalysis Science and Technology</i> , 2015, 5, 1558-1567.	2.1	28
46	An Efficient Parallel All-Electron Four-Component Dirac-Kohn-Sham Program Using a Distributed Matrix Approach. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 384-394.	2.3	27
47	Advances in Charge Displacement Analysis. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 1236-1244.	2.3	27
48	Charge-displacement analysis for excited states. <i>Journal of Chemical Physics</i> , 2014, 140, 054110.	1.2	26
49	Reactivity of a Gold-Aluminy Complex with Carbon Dioxide: A Nucleophilic Gold?. <i>Journal of the American Chemical Society</i> , 2021, 143, 14433-14437.	6.6	26
50	Anomalous ligand effect in gold(i)-catalyzed intramolecular hydroamination of alkynes. <i>Chemical Communications</i> , 2015, 51, 5990-5993.	2.2	24
51	Helium Accepts Back-Donation In Highly Polar Complexes: New Insights into the Weak Chemical Bond. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3334-3340.	2.1	24
52	Back-Donation in High-Valent d0 Metal Complexes: Does It Exist? The Case of NbV. <i>Inorganic Chemistry</i> , 2017, 56, 11266-11274.	1.9	24
53	Insight into the halogen-bond nature of noble gas-chlorine systems by molecular beam scattering experiments, <i>ab initio</i> calculations and charge displacement analysis. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7330-7340.	1.3	24
54	BERTHA: Implementation of a four-component Dirac-Kohn-Sham relativistic framework. <i>Journal of Chemical Physics</i> , 2020, 152, 164118.	1.2	24

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55	Charge-Displacement Analysis of the Interaction in the Ammonia–Noble Gas Complexes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 14657-14666.	1.1	23
56	Spin-Forbidden Reactions: Adiabatic Transition States Using Spin-Orbit Coupled Density Functional Theory. <i>Chemistry - A European Journal</i> , 2018, 24, 5006-5015.	1.7	23
57	H ₂ O–CH ₄ and H ₂ S–CH ₄ complexes: a direct comparison through molecular beam experiments and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30613-30623.	1.3	22
58	Charge-Displacement Analysis via Natural Orbitals for Chemical Valence in the Four-Component Relativistic Framework. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 1286-1296.	2.3	22
59	All-electron four-component Dirac-Kohn-Sham procedure for large molecules and clusters containing heavy elements. <i>Physical Review B</i> , 2008, 77, .	1.1	21
60	Molecular-beam study of the ammonia–noble gas systems: Characterization of the isotropic interaction and insights into the nature of the intermolecular potential. <i>Journal of Chemical Physics</i> , 2011, 135, 194301.	1.2	21
61	Efficient Parallel All-Electron Four-Component Dirac–Kohn–Sham Program Using a Distributed Matrix Approach II. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 5356-5364.	2.3	21
62	Full Parallel Implementation of an All-Electron Four-Component Dirac–Kohn–Sham Program. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 3766-3776.	2.3	21
63	Ligand Effect on Bonding in Gold(III) Carbonyl Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 6161-6175.	1.9	21
64	Oligothiophenes Nano-Organized on a Cyclotetrasiloxane Scaffold as a Model of a Silica-Bound Monolayer: Evidence for Intramolecular Excimer Formation. <i>Chemistry - A European Journal</i> , 2009, 15, 12791-12798.	1.7	20
65	Interaction of O ₂ with CH ₄ , CF ₄ , and CCl ₄ by Molecular Beam Scattering Experiments and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5197-5207.	1.1	20
66	Computational strategies for a four-component Dirac–Kohn–Sham program: Implementation and first applications. <i>Journal of Chemical Physics</i> , 2005, 122, 184109.	1.2	19
67	Poisson-transformed density fitting in relativistic four-component Dirac–Kohn–Sham theory. <i>Journal of Chemical Physics</i> , 2008, 128, 124108.	1.2	19
68	The ligand effect on the oxidative addition of dioxygen to gold(III)–hydride complexes. <i>Dalton Transactions</i> , 2017, 46, 11679-11690.	1.6	19
69	Cyclization of 2-Alkynyldimethylaniline on Gold(I) Cationic and Neutral Complexes. <i>Organometallics</i> , 2016, 35, 595-604.	1.1	18
70	Cationic Gold(I) Diarylallenylidene Complexes: Bonding Features and Ligand Effects. <i>ChemPhysChem</i> , 2019, 20, 1671-1679.	1.0	18
71	Alkyne Activation with Gold(III) Complexes: A Quantitative Assessment of the Ligand Effect by Charge-Displacement Analysis. <i>Inorganic Chemistry</i> , 2019, 58, 3115-3129.	1.9	18
72	Diffusion NMR measurements on cationic linear gold(I) complexes. <i>Polyhedron</i> , 2015, 92, 52-59.	1.0	17

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73	Goldâ€“superheavy-element interaction in diatomics and cluster adducts: A combined four-component Dirac-Kohn-Sham/charge-displacement study. <i>Journal of Chemical Physics</i> , 2015, 143, 024307.	1.2	17
74	The Chemical Bond and sâ€“d Hybridization in Coinage Metal(I) Cyanides. <i>Inorganic Chemistry</i> , 2019, 58, 11716-11729.	1.9	17
75	PyBERTHART: A Relativistic Real-Time Four-Component TDDFT Implementation Using Prototyping Techniques Based on Python. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 2410-2429.	2.3	17
76	Charge Displacement Analysisâ€“A Tool to Theoretically Characterize the Charge Transfer Contribution of Halogen Bonds. <i>Molecules</i> , 2020, 25, 300.	1.7	17
77	Leading Interaction Components in the Structure and Reactivity of Noble Gases Compounds. <i>Molecules</i> , 2020, 25, 2367.	1.7	17
78	The gold(<i>iii</i>)â€“CO bond: a missing piece in the gold carbonyl complex landscape. <i>Chemical Communications</i> , 2017, 53, 1603-1606.	2.2	16
79	Cooperative role of halogen and hydrogen bonding in the stabilization of water adducts with apolar molecules. <i>New Journal of Chemistry</i> , 2018, 42, 10603-10614.	1.4	16
80	Intermolecular Interaction in the NH ₃ â€“H ₂ and H ₂ Oâ€“H ₂ Complexes by Molecular Beam Scattering Experiments: The Role of Charge Transfer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12601-12607.	1.1	15
81	Intermolecular Interaction in the H ₂ Sâ€“H ₂ Complex: Molecular Beam Scattering Experiments and Ab-Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6440-6450.	1.1	15
82	Parallelization of a relativistic DFT code. <i>Future Generation Computer Systems</i> , 2004, 20, 739-747.	4.9	14
83	An indirect approach to the determination of the nuclear quadrupole moment by four-component relativistic DFT in molecular calculations. <i>Chemical Physics Letters</i> , 2007, 442, 233-237.	1.2	14
84	Merging of E2 and E1cb Reaction Mechanisms: A Combined Theoretical and Experimental Study. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5501-5504.	1.2	13
85	Spinâ€“orbit coupling is the key to unraveling intriguing features of the halogen bond involving astatine. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1897-1910.	1.3	13
86	On the role of charge transfer in the stabilization of weakly bound complexes involving water and hydrogen sulphide molecules. <i>Chemical Physics</i> , 2012, 398, 176-185.	0.9	12
87	Understanding the Reactivity of Mn-Oxo Porphyrins for Substrate Hydroxylation: Theoretical Predictions and Experimental Evidence Reconciled. <i>Inorganic Chemistry</i> , 2019, 58, 7345-7356.	1.9	12
88	Environmental Effects with Frozen-Density Embedding in Real-Time Time-Dependent Density Functional Theory Using Localized Basis Functions. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5695-5711.	2.3	12
89	What Singles out Aluminyl Anions? A Comparative Computational Study of the Carbon Dioxide Insertion Reaction in Goldâ€“Aluminyl, â€“Gallyl, and â€“Indyl Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 1704-1716.	1.9	11
90	Modelling Charge Transfer in Weak Chemical Bonds: Insights from the Chemistry of Helium. <i>ChemPhysChem</i> , 2018, 19, 1476-1485.	1.0	10

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91	Spin-Forbidden Reactivity of Transition Metal Oxo Species: Exploring the Potential Energy Surfaces. <i>Chemistry - A European Journal</i> , 2020, 26, 3080-3089.	1.7	10
92	Hydration of alkynes catalyzed by [Au(X)(L)(ppy)]X in the green solvent γ -valerolactone under acid-free conditions: the importance of the pre-equilibrium step. <i>Catalysis Science and Technology</i> , 2020, 10, 7757-7767.	2.1	10
93	Gold-Alumanyl and Gold-Diarylboryl Complexes: Bonding and Reactivity with Carbon Dioxide. <i>Inorganic Chemistry</i> , 2022, 61, 7327-7337.	1.9	10
94	An <i>ab initio</i> electronic density study of the CH ₄ ⁺ Ar, CH ₄ ⁺ Xe, CH ₄ ⁺ H ₂ O and CH ₄ ⁺ H ₂ S complexes: insights into the nature of the intermolecular interaction. <i>Molecular Physics</i> , 2015, 113, 3992-3999.	0.8	9
95	The nature of the lead-iodine bond in PbI ₂ : A case study for the modelling of lead halide perovskites. <i>Computational and Theoretical Chemistry</i> , 2019, 1164, 112558.	1.1	9
96	Disentanglement of orthogonal hydrogen and halogen bonds via natural orbital for chemical valence: A charge displacement analysis. <i>Journal of Computational Chemistry</i> , 2020, 41, 1185-1193.	1.5	8
97	Unraveling differences in alumanyl and carbene coordination chemistry: bonding in gold complexes and reactivity with carbon dioxide. <i>Chemical Science</i> , 2022, 13, 4623-4634.	3.7	8
98	An ETS^{NOCV} -based computational strategies for the characterization of concerted transition states involving CO_2 . <i>Journal of Computational Chemistry</i> , 2022, 43, 717-727.	1.5	7
99	Ubiquity of <i>cis</i> -Halide π Isocyanide Direct Interligand Interaction in Organometallic Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 14554-14563.	1.9	6
100	Spin-resolved charge displacement analysis as an intuitive tool for the evaluation of cPCET and HAT scenarios. <i>Chemical Communications</i> , 2020, 56, 12146-12149.	2.2	6
101	Halogen bond interaction: Role of hybridization and induction. <i>Chemical Physics Letters</i> , 2021, 771, 138522.	1.2	6
102	Tuning the Gold(I)-Carbon σ Bond in Gold-Alkynyl Complexes through Structural Modifications of the NHC Ancillary Ligand: Effect on Spectroscopic Observables and Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2401-2416.	1.0	5
103	DFT studies of β -elimination reactions in water solution with different bases: Theory vs experiment. <i>Computational and Theoretical Chemistry</i> , 2010, 940, 103-114.	1.5	4
104	Chemical Bond Mechanism for Helium Revealed by Electronic Excitation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6572-6577.	1.1	4
105	Selective Emergence of the Halogen Bond in Ground and Excited States of Noble-Gas-Chlorine Systems. <i>Angewandte Chemie</i> , 2019, 131, 4239-4243.	1.6	4
106	Turn-off and -on fluorescence switching of a self-assembled sensor for mercury(II) induced by anionic micelles. <i>Dyes and Pigments</i> , 2020, 173, 107959.	2.0	4
107	Fluorescent signal transduction in a self-assembled Hg ²⁺ chemosensor tuned by various interactions in micellar aqueous environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112276.	2.0	4
108	Orbital Decomposition of the Carbon Chemical Shielding Tensor in Gold(I) N-Heterocyclic Carbene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1177-1183.	1.0	4

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109	The mechanism of the gold($\langle \text{sc} \rangle$)-catalyzed Meyer-Schuster rearrangement of 1-phenyl-2-propyn-1-ol $\langle \text{via} \rangle$ 4- $\langle \text{endo-dig} \rangle$ cyclization. Dalton Transactions, 2021, 50, 5154-5160.	1.6	4
110	Monitoring of the Pre-Equilibrium Step in the Alkyne Hydration Reaction Catalyzed by Au(III) Complexes: A Computational Study Based on Experimental Evidences. Molecules, 2021, 26, 2445.	1.7	4
111	Efficient Computation of Geometries for Gold Complexes. ChemPhysChem, 2021, 22, 1262-1268.	1.0	4
112	Experimental and theoretical investigation of the cycloisomerization of N-propargylcarboxamide catalyzed by NHC-Au-X in green solvents. Inorganica Chimica Acta, 2021, 522, 120372.	1.2	4
113	Relativistic quantum chemistry involving heavy atoms. Rendiconti Lincei, 2018, 29, 209-217.	1.0	3
114	Spectroscopic/Bond Property Relationship in Group 11 Dihydrides via Relativistic Four-Component Methods. Journal of Physical Chemistry A, 2020, 124, 10565-10579.	1.1	3
115	CHAPTER 26. Role of Ion Pairing in the Mechanisms of Au(I)-catalysed Reactions: Theory and Experiment. RSC Catalysis Series, 2019, , 564-578.	0.1	2
116	BERTHA and PyBERTHA: State of the Art for Full Four-Component Dirac-Kohn-Sham Calculations. Advances in Parallel Computing, 2020, , .	0.3	2
117	Charge Transfer in Beryllium Bonds and Cooperativity of Beryllium and Halogen Bonds. A New Perspective. Challenges and Advances in Computational Chemistry and Physics, 2016, , 461-489.	0.6	1
118	Ground and excited electronic states of AuH ₂ $\langle \text{via} \rangle$ detachment energies on AuH ₂ ⁺ using state-of-the-art relativistic calculations. Physical Chemistry Chemical Physics, 2020, 22, 26742-26752.	1.3	1
119	Frontispiece: Spin-Forbidden Reactions: Adiabatic Transition States Using Spin-Orbit Coupled Density Functional Theory. Chemistry - A European Journal, 2018, 24, .	1.7	0
120	Donation and back-donation in cis- and trans-[(η -5-C ₅ H ₅)Fe(η -1-CO)(η -4-CO)] ₂ tautomers: Which relative is more generous? An ETS-NOCV bond analysis. Inorganica Chimica Acta, 2022, 536, 120897.	1.2	0