Alessio Valentini

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.

20 papers	1,898 citations	12 h-index	21 g-index
21 ext. papers	2,404 ext. citations	6.3 avg, IF	3.76 L-index

#	Paper	IF	Citations
20	Voice-controlled quantum chemistry. *Nature Computational Science*, **2021**, 1, 42-45		3
19	Modern quantum chemistry with [Open]Molcas. *Journal of Chemical Physics*, **2020**, 152, 214117	3.9	106
18	Web-ARM: A Web-Based Interface for the Automatic Construction of QM/MM Models of Rhodopsins. *Journal of Chemical Information and Modeling*, **2020**, 60, 1481-1493	6.1	10
17	Selective bond formation triggered by short optical pulses: quantum dynamics of a four-center ring closure. *Physical Chemistry Chemical Physics*, **2020**, 22, 22302-22313	3.6	7
16	OpenMolcas: From Source Code to Insight. *Journal of Chemical Theory and Computation*, **2019**, 15, 5925-5964	5.4	310
15	Photosensitized Retinal Isomerization in Rhodopsin Mediated by a Triplet State. *ChemPhotoChem*, **2019**, 3, 925-932	3.3	4
14	Fluorescence Enhancement of a Microbial Rhodopsin via Electronic Reprogramming. *Journal of the American Chemical Society*, **2019**, 141, 262-271	16.4	23
13	Optomechanical Control of Quantum Yield in Trans-Cis Ultrafast Photoisomerization of a Retinal Chromophore Model. *Angewandte Chemie - International Edition*, **2017**, 56, 3842-3846	16.4	18
12	Optomechanical Control of Quantum Yield in Trans□is Ultrafast Photoisomerization of a Retinal Chromophore Model. *Angewandte Chemie*, **2017**, 129, 3900-3904	3.6	3
11	How Do Methyl Groups Enhance the Triplet Chemiexcitation Yield of Dioxetane?. *Journal of Physical Chemistry Letters*, **2017**, 8, 3790-3794	6.4	16
10	Toward Automatic Rhodopsin Modeling as a Tool for High-Throughput Computational Photobiology. *Journal of Chemical Theory and Computation*, **2016**, 12, 6020-6034	6.4	39
9	Space and Time Evolution of the Electrostatic Potential During the Activation of a Visual Pigment. *Journal of Physical Chemistry Letters*, **2016**, 7, 2563-7	6.4	7
8	Probing the Photodynamics of Rhodopsins with Reduced Retinal Chromophores. *Journal of Chemical Theory and Computation*, **2016**, 12, 839-50	6.4	38
7	Molcas 8: New capabilities for multiconfigurational quantum chemical calculations across the periodic table. *Journal of Computational Chemistry*, **2016**, 37, 506-41	3.5	1047
6	Mechanical Forces Alter Conical Intersections Topology. *Journal of Chemical Theory and Computation*, **2015**, 11, 3740-5	6.4	11
5	Directionality of Double-Bond Photoisomerization Dynamics Induced by a Single Stereogenic Center. *Journal of Physical Chemistry Letters*, **2015**, 6, 599-604	6.4	46
4	Shape of Multireference, Equation-of-Motion Coupled-Cluster, and Density Functional Theory Potential Energy Surfaces at a Conical Intersection. *Journal of Chemical Theory and Computation*, **2014**, 10, 3074-84	6.4	132

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3	Chiral Hydrogen Bond Environment Providing Unidirectional Rotation in Photoactive Molecular Motors. *Journal of Physical Chemistry Letters*, **2013**, 4, 1389-96	6.4	47
2	Origin of Fluorescence in 11-cis Locked Bovine Rhodopsin. *Journal of Chemical Theory and Computation*, **2012**, 8, 2559-63	6.4	27
1	InteraChem: Virtual Reality Visualizer for Reactive Interactive Molecular Dynamics. *Journal of Chemical Education*,	2.4	4