

Jorge Aguilera-Iparraguirre

List of Publications by Year in descending order

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13
papers

3,173
citations

933447

10
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

4000
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Chemical Design Using a Data-Driven Continuous Representation of Molecules. ACS Central Science, 2018, 4, 268-276.	11.3	1,761
2	Design of efficient molecular organic light-emitting diodes by a high-throughput virtual screening and experimental approach. Nature Materials, 2016, 15, 1120-1127.	27.5	708
3	What Is High-Throughput Virtual Screening? A Perspective from Organic Materials Discovery. Annual Review of Materials Research, 2015, 45, 195-216.	9.3	203
4	New Pathways for Formation of Acids and Carbonyl Products in Low-Temperature Oxidation: The Korcek Decomposition of I^3 -Keto hydroperoxides. Journal of the American Chemical Society, 2013, 135, 11100-11114.	13.7	153
5	Accurate Benchmark Calculation of the Reaction Barrier Height for Hydrogen Abstraction by the Hydroperoxyl Radical from Methane. Implications for $\text{C}_{2n}\text{H}_{2n+2}$ where $n = 2 \text{ to } 4$. Journal of Physical Chemistry A, 2008, 112, 7047-7054.	2.5	105
6	An Alternative Host Material for Long-Lifespan Blue Organic Light-Emitting Diodes Using Thermally Activated Delayed Fluorescence. Advanced Science, 2017, 4, 1600502.	11.2	103
7	Detailed chemical kinetic modeling of JP^{exo} (exo-tetrahydrodicyclopentadiene) high-temperature oxidation: Exploring the role of biradical species in initial decomposition steps. International Journal of Chemical Kinetics, 2012, 44, 179-193.	1.6	43
8	Accurate ab initio computation of thermochemical data for C_3H_x species. Chemical Physics, 2008, 346, 56-68.	1.9	37
9	Density Functional Theory Study of the Formation of Naphthalene and Phenanthrene from Reactions of Phenyl with Vinyl- and Phenylacetylene. Journal of Chemical Theory and Computation, 2007, 3, 139-145.	5.3	28
10	A kinetic and thermochemical database for organic sulfur and oxygen compounds. Physical Chemistry Chemical Physics, 2015, 17, 13625-13639.	2.8	16
11	Accurate Coupled Cluster Calculations of the Reaction Barrier Heights of Two $\text{CH}_3^{\text{C}} + \text{CH}_4$ Reactions. Journal of Physical Chemistry A, 2009, 113, 11679-11684.	2.5	10
12	34.4: Invited Paper: Combinatorial Design of OLED-Emitting Materials. Digest of Technical Papers SID International Symposium, 2015, 46, 505-506.	0.3	3
13	Turbocharged molecular discovery of OLED emitters: from high-throughput quantum simulation to highly efficient TADF devices. Proceedings of SPIE, 2016, . .	0.8	3