

Damian Moran

List of Publications by Year in descending order

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34
papers

4,307
citations

236833

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395590

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35
all docs

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docs citations

35
times ranked

5229
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Hydrogen Bonding on the Susceptibility of Peptides to Oxidation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1485-1489.	1.7	11
2	Bond Dissociation Energies and Radical Stabilization Energies: An Assessment of Contemporary Theoretical Procedures. <i>Journal of Physical Chemistry A</i> , 2007, 111, 13638-13644.	1.1	101
3	Carbene Stabilization by Aryl Substituents. Is Bigger Better?. <i>Journal of the American Chemical Society</i> , 2007, 129, 3763-3770.	6.6	56
4	Ab Initio Modeling of Glycosyl Torsions and Anomeric Effects in a Model Carbohydrate: 2-Ethoxy Tetrahydropyran. <i>Biophysical Journal</i> , 2007, 93, 1-10.	0.2	48
5	An Evaluation of Harmonic Vibrational Frequency Scale Factors. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11683-11700.	1.1	2,264
6	Thermochemistry and Kinetics of Hydrogen Abstraction by Methyl Radical from Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13624-13631.	1.1	41
7	Metal-Mediated Formation of Gas-Phase Amino Acid Radical Cations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 8304-8315.	1.1	64
8	Gas-phase regiocontrolled generation of charged amino acid and peptide radicals. <i>Chemical Communications</i> , 2006, , 4233.	2.2	52
9	Popular Theoretical Methods Predict Benzene and Arenes To Be Nonplanar. <i>Journal of the American Chemical Society</i> , 2006, 128, 9342-9343.	6.6	238
10	The oxidation states of copper and iron in mineral sulfides, and the oxides formed on initial exposure of chalcopyrite and bornite to air. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2210-2228.	1.6	202
11	An Assessment of Theoretical Procedures for Predicting the Thermochemistry and Kinetics of Hydrogen Abstraction by Methyl Radical from Benzene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 8942-8951.	1.1	70
12	An Experimental and Theoretical Investigation of Gas-Phase Reactions of Ca ²⁺ with Glycine. <i>Chemistry - A European Journal</i> , 2006, 12, 6787-6796.	1.7	57
13	Rearrangements in Model Peptide-Type Radicals via Intramolecular Hydrogen-Atom Transfer. <i>Helvetica Chimica Acta</i> , 2006, 89, 2254-2272.	1.0	39
14	On the Origin of Cis/Trans Stereoselectivity in Intramolecular Diels-Alder Reactions of Substituted Pentadienyl Acrylates: A Comprehensive Density Functional Study. <i>Journal of Organic Chemistry</i> , 2005, 70, 10841-10853.	1.7	22
15	Bond Dissociation Energies and Radical Stabilization Energies Associated with Model Peptide-Backbone Radicals. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6318-6325.	1.1	72
16	σ-Aromaticity and σ-Antiaromaticity in Saturated Inorganic Rings. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3711-3716.	1.1	60
17	Intramolecular Diels-Alder Reactions of Ester-Linked 1,3,8-Nonatrienes. <i>Journal of Organic Chemistry</i> , 2005, 70, 5561-5570.	1.7	33
18	Theoretical Study of Complexes of Closo-Borane, Alane, and Gallane Anions with Cations of Light Metals Inside and Outside of Icosahedral Clusters [A ₁₂ H ₁₂₂] ⁻ (A: B, Al, and Ga).. <i>ChemInform</i> , 2003, 34, no.	0.1	0

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19	Molecular structures and energetics of the neutral aluminum-trimethylaluminum complex: an Al-Al bonded global minimum?. <i>Chemical Physics Letters</i> , 2003, 378, 65-70.	1.2	2
20	Aromatic stabilization in heterofullerenes C ₄₈ X ₁₂ (X = N, P, B, Si). <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 726-730.	0.9	35
21	Towards Graphite: Magnetic Properties of Large Polybenzenoid Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2003, 125, 6746-6752.	6.6	158
22	Increased Reactivity of the Cr(CO) ₃ (C ₅ Me ₅) Radical with Thiones versus Thiols: A Theoretical and Experimental Investigation. <i>Inorganic Chemistry</i> , 2003, 42, 8494-8503.	1.9	19
23	A Theoretical and Structural Investigation of Thiocarbon Anions. <i>Journal of Organic Chemistry</i> , 2003, 68, 8808-8814.	1.7	23
24	On the Viability of Small Endohedral Hydrocarbon Cage Complexes: X@C ₄ H ₄ , X@C ₈ H ₈ , X@C ₈ H ₁₄ , X@C ₁₀ H ₁₆ , X@C ₁₂ H ₁₂ , and X@C ₁₆ H ₁₆ . <i>Journal of the American Chemical Society</i> , 2003, 125, 11442-11451.	6.6	45
25	σ-Antiaromaticity in Cyclobutane, Cubane, and Other Molecules with Saturated Four-Membered Rings. <i>Organic Letters</i> , 2003, 5, 23-26.	2.4	108
26	Structures and Stabilities of Endo- and Exohedral Dodecahedrane Complexes (X@C ₂₀ H ₂₀ and) <i>Journal of Physical Chemistry A</i> , 2003, 107, 10000-10004.	1.1	42
27	On the Stability of Large [4n]Annulenes. <i>Organic Letters</i> , 2003, 5, 2983-2986.	2.4	118
28	Aromaticity of the Bergman, Myers-Saito, Schmittel, and Directly Related Cyclizations of Ene-diyne. <i>Journal of Organic Chemistry</i> , 2002, 67, 1453-1461.	1.7	80
29	Theoretical Study of Complexes of Closo-Borane, Alane, and Gallane Anions with Cations of Light Metals Inside and Outside of Icosahedral Clusters [A ₁₂ H ₁₂] ⁻ (A = B, Al, and Ga). <i>Journal of Physical Chemistry A</i> , 2002, 106, 11594-11602.	1.1	23
30	2-Pyridinethiol/2-Pyridinethione Tautomeric Equilibrium. A Comparative Experimental and Computational Study. <i>Journal of Organic Chemistry</i> , 2002, 67, 9061-9069.	1.7	78
31	Structures, Stabilities, and Ionization Potentials of Dodecahedrane Endohedral Complexes. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5144-5154.	1.1	64
32	Theoretical Study of Icosahedral closo-Borane, -Alane, and -Gallane Dianions (A ₁₂ H ₁₂] ²⁻ ; A = B, Al, Ga) with Endohedral Noble Gas Atoms (Ng = He, Ne, Ar, and Kr) and Their Lithium Salts (Li[Ng@A ₁₂ H ₁₂] ⁻) <i>Journal of Physical Chemistry A</i> , 2003, 107, 10000-10004.	1.1	42
33	Th-Symmetrical N ₈ (C ₆) ₆ and P ₈ (C ₆) ₆ ; an Extraordinary Contrast in Heterofullerene Stability. <i>Organic Letters</i> , 2001, 3, 3233-3236.	2.4	18
34	The Almost Bottleable Triplet Carbene: 2,6-dibromo-4-tert-butyl-2,6-bis(trifluoromethyl)-4-isopropylidiphenylcarbene. <i>Journal of the American Chemical Society</i> , 2001, 123, 4331-4335.	6.6	25