

Daly Davis

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

324
citations

933447

10
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of resonant character in the electron impact two-body neutral fragmentation of methane. ChemPhysChem, 2022, , .	2.1	0
2	A hitherto unknown stability of DNA basepairs. Chemical Communications, 2020, 56, 14625-14628.	4.1	5
3	Inducing chemical reactivity on specific sites of a molecule using the Coulomb interaction exerted by a low energy electron. Physical Chemistry Chemical Physics, 2018, 20, 6040-6044.	2.8	4
4	A Concerted Synchronous [2 + 2] Cycloreversion Repair Catalyzed by Two Electrons. Journal of Physical Chemistry Letters, 2018, 9, 6973-6977.	4.6	8
5	Formation of CO ₂ from formic acid through catalytic electron channel. Journal of Chemical Physics, 2018, 149, 064308.	3.0	21
6	Communication: Low-energy free-electron driven molecular engineering: <i>In situ</i> preparation of intrinsically short-lived carbon-carbon covalent dimer of CO. Journal of Chemical Physics, 2017, 146, 081101.	3.0	10
7	Low energy electron catalyst: the electronic origin of catalytic strategies. Physical Chemistry Chemical Physics, 2016, 18, 27715-27720.	2.8	13
8	Low Energy Electron Induced Reactions in Condensed Methanol. Journal of Physics: Conference Series, 2015, 635, 062002.	0.4	1
9	Dissociative electron attachment studies on acetone. Journal of Chemical Physics, 2014, 141, 164320.	3.0	10
10	O [•] from amorphous and crystalline CO ₂ ices. Physical Chemistry Chemical Physics, 2014, 16, 8582-8588.	2.8	3
11	Low-energy-electron induced permanently reactive CO ₂ molecules. Physical Chemistry Chemical Physics, 2014, 16, 17408-17411.	2.8	20
12	A One-Step Four-Bond-Breaking Reaction Catalyzed by an Electron. Angewandte Chemie - International Edition, 2012, 51, 8003-8007.	13.8	48
13	Electron Impact Catalytic Dissociation: Two-Bond Breaking by a Low-Energy Catalytic Electron. Angewandte Chemie - International Edition, 2011, 50, 4119-4122.	13.8	62
14	On the effect of nuclear bridge modes on donor-acceptor electronic coupling in donor-bridge-acceptor molecules. Chemical Physics, 2009, 358, 45-51.	1.9	8
15	Intramolecular electronic energy transfer in rhodamine-azulene bichromophoric molecule. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 191, 176-181.	3.9	12
16	Odd-Even Oscillations in First Hyperpolarizability of Dipolar Chromophores: A Role of Conformations of Spacers. Journal of Physical Chemistry A, 2005, 109, 4112-4117.	2.5	20
17	Designing effective nonlinear optical (NLO) materials with chiral substituents. Synthetic Metals, 2005, 155, 384-388.	3.9	10
18	Optimization of Nonlinear Optical Properties by Substituent Position, Geometry and Symmetry of the Molecule: An ab Initio Study. Journal of Physical Chemistry B, 2005, 109, 14093-14101.	2.6	21