

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