

Sason Shaik (Sason S. Shaik)

Total No. Citations: Google Scholar (GS): Number of citations = 41,633 (including books & chapters); H-index=101; i10 index=479.

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January 15, 2021

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- (12) S. Shaik, N.D. Epiotis
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- Papers associated with the work on electron Delocalization and on benzene, which has been highlighted in CHEMTRACTS, C&E News, and included as a chapter in a book on the status of the theory of chemical bonding:
 - a) The J. K. Burdett, highlighted this work (papers 41, 42, 62):
 "Is Delocalization of Electrons Always Stabilizing?"
 CHEMTRACTS- INORGANIC CHEMISTRY, 3, 57-61 (1991).
 - b) J.K. Burdett, selected this topic as one chapter among 17 on the status of theory of chemical bonding:
 J. K. Burdett, “Chemical Bonds. A Dialog”, Wiley, 1997
 Chapter 12, “Is Delocalization of Electrons always Stabilizing? Or, Why is Benzene a Regular Hexagon?”
 - c) Review in C&E News, Nov 3, 1997, in "Science/Technology Concentrates" of:
 A. Shurki, and S. Shaik
 "The Distortive Tendency of Benzene π -Electrons: How is it Related to Observables?"
Angew. Chem., 109, 2322-2324 (1997).
Angew. Chem. Int. Ed. Engl., 36, 2205-2208 (1997).
- papers associated with the ET work that has been highlighted in the Highlight Section of Angewandte Chemie:

"Electron-Transfer Transition States: Bound or Unbound- That is the Question!"
 H. Zipse, *Angew. Chem. Int. Edit. Engl.* **1997**, *36*, 1697.

- papers associated with the work on TSR that is highlighted in the Highlight Section of Angewandte Chemie:
D.A. Plattner, *Angew. Chem. Int. Edit. Engl.*, **1999**, 38, 82
- * The work was highlighted in *Chemistry and Chemical Industry*, **2001**, 54-6, 680 (the Japanese equivalent of *Chem. Eng. News*).
- * The work was highly cited in a recent review by one of the P450 field's leaders (P.R. Ortiz de Montellano, J.J. de Vos, *Nat. Prod.* **2002**, 19, 477-493) write about the two-state reactivity work: "This mechanism is at once as complex, intriguing and satisfying as the chemistry of the P450 enzymes themselves", and ends his review article in the following statement: "Perhaps one of the most useful advances in the recent past has come from computational chemistry, which has provided a two-state reactivity model that readily rationalizes the experimental data."
- ** Chosen as an "accelerated publication".
- ◊ Featured as a "Hot paper" in the ACS Publication Website and selected as an "Editor Choice" (one of 6 in 2004).
- 🍏 Featured as a "Hot paper" in the ACS Publication Website three times between 2005 and 2007. Featured with interview as a "Hot paper" in the ISI site.
- + This paper was highlighted in the ChemPhysChem News Section:
<http://www3.interscience.wiley.com/journal/72514732/home/news/index.html>
- *** Chosen as one of 8 papers as the Editor's Choice in JPCB (May/June issue of ACS Phys Chem News).
- The work on charge-shift bonding was discussed twice in C&E News (C&E News in January 29, 2007, pp 37-40, Volume 85, Number 05; C&E News, May 11, 2009, pp. 32), and paper 366 was selected for a Nature Chem. Perspective (Sept. Issue, 2009). The work on quadruple bonding in C2 was highlighted in Comput. Chem. Highlights, and twice in Chemistry world (<http://www.rsc.org/chemistryworld/News/2012/January/carbon-carbon-quadruple-bond.asp>); Philip Ball, the Name's Quadruple Bond, May 13, 2013.
- Paper 592 was spotlighted by JACS (**2014**, 136, 14321-14322)

Other Publications

- a) Poetry: More than 20 Hebrew poems in "Iton 77": A Literary Monthly. 10 Translated into English. Two Poems Published in English in the University of Washington Literary Magazine.
- A book of poetry (private edition), "Like a Bird Untaught".