

SCIENCE PUBLICATIONS

Professor Ahmed H. Zewail

Books

1. *Advances in Laser Spectroscopy I*, ed. A. H. Zewail, SPIE, Bellingham, 1977
2. *Advances in Laser Chemistry*, ed. A. H. Zewail, Springer-Verlag, Berlin-Heidelberg, 1978
3. *Photochemistry and Photobiology, Vols. 1 and 2*, ed. A. H. Zewail, Harwood Academic, London, 1983
4. *Ultrafast Phenomena VII*, eds. C. B. Harris, E. P. Ippen, G. A. Mourou and A. H. Zewail, Springer-Verlag, Berlin-Heidelberg, 1990
5. *The Chemical Bond: Structure and Dynamics*, ed. A. H. Zewail, Academic Press, Boston, 1992
6. *Ultrafast Phenomena VIII*, eds. J.-L. Martin, A. Migus, G. A. Mourou and A. H. Zewail, Springer-Verlag, Berlin-Heidelberg, 1993
7. *Ultrafast Phenomena IX*, eds. P. F. Barbara, W. H. Knox, G. A. Mourou and A. H. Zewail, Springer-Verlag, Berlin-Heidelberg, 1994
8. *Femtochemistry: Ultrafast Dynamics of the Chemical Bond, Vols. 1 and 2*, A. H. Zewail, World Scientific, Singapore, 1994
9. *Physical Biology: From Atoms to Medicine*, ed. A. H. Zewail, Imperial College Press, London, 2008
10. *4D Electron Microscopy: Imaging in Space and Time*, A. H. Zewail and J. M. Thomas, Imperial College Press, London, 2010

Patents

1. Luminescent Solar Energy Concentrator Devices.
A. H. Zewail and J. S. Batchelder, California Institute of Technology
U.S. Pat. 4,227,939, October 14, 1980
2. Method and System for Ultrafast Photoelectron Microscope.

A. H. Zewail and V. A. Lobastov, California Institute of Technology
U.S. Pat. 7,154,091, December 26, 2006

Articles

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2. Spectral Studies of Some Hydroxy-Derivatives of Anthraquinones.
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5. Characterization of Triplet States of Axially Symmetric Benzenes Using the Zeeman Effect.
R. M. Hochstrasser, J. E. Wessel, J. D. Whiteman, and A. H. Zewail
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7. Zeeman Effect Studies of the Triplet States of Benzene.
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J. Chem. Phys. **55**, 3596 (1971)
8. Studies of the 3455-Å Triplet State of *s*-Triazine.
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R. M. Hochstrasser, T.-Y. Li, H.-N. Sung, J. E. Wessel, and
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 15. Coherence in Electronically Excited Dimers: The Observation of Coherent Dimers and Its Relationship to Coherent Excitons.
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