Publications:

List of Published Research - M. A. El-Sayed
Publications from 1 to 332 are on research carried out at UCLA in the field of chemical physics, spectroscopy and electronic energy relaxation in molecules and matter in different phases while publications from 333 present are on research carried out at the LDL (Georgia Tech): http://ldl.gatech.edu started in 1994 and mostly in the field of nanoscience and nanotechnology. The relative citations to this work with time is given in the graph below and by titles and numbers, please go to: http://scholar.google.com/citations?user=BMpDLscAAAAJ&hl=en

List of Publications:


List of Publications since moving to Laser Dynamics Lab (LDL) at Georgia Tech


501. Huang, Wenyu; Qian, Wei; El-Sayed, Mostafa A., “Photothermal reshaping of prismatic Au nanoparticles in periodic monolayer arrays by femtosecond laser pulses,”


*** #1 most cited JPCB article of 2006 to date (Oct 27, 2009) ***
*** #2 most cited Photochemistry and Photobiology article of 2006 to date (Oct 27, 2009) ***


*** #12 most cited JPCB article of 2006 to date (Oct 27, 2009) ***


(#5 most cited 2006 JPCB article - as of Mar 31, 2008)

*** #1 most cited Nano Today article to date (Oct 27, 2009) ***


*** #1 most cited Plasmonics article to date (Oct 27, 2009) ***


534. Ivan H. El-Sayed, Xiaohua Huang, Fima Macheret, Joseph Oren Humstoe, Randall Kramer, Mostafa A. El-Sayed, “Effect of plasmonic gold nanoparticles on benign and

*** #1 most cited Nanomedicine article to date (Oct 27, 2009) ***


*** (18th most accessed J. Phys. Chem. C article (Oct-Dec) 2007


546. Prashant K. Jain, Mostafa A. El-Sayed, "Surface plasmon coupling and its universal size scaling in metal nanostructures of complex geometry: Elongated particle pairs and


549. Narayanan, R.; Tabor, C.; El-Sayed, M. A., Can the Observed Changes in the Size or Shape of a Colloidal Nanocatalyst Reveal the Nanocatalysis Mechanism Type: Homogeneous or Heterogeneous? Topics in Catalysis 2008, 48, (1-4), 60-74. [link]


*** #1 most cited Lasers in Medical Science article of 2008 to date (Oct 27, 2009) ***


557. Mahmoud, M. A.; Tabor, C. E.; El-Sayed, M. A., Surface-Enhanced Raman Scattering Enhancement by Aggregated Silver Nanocube Monolayers Assembled by the


*** Frontier Article and Journal Cover *** (2nd most downloaded paper of the journal as listed in June 2010)


637. Szymanski, P.; Mahmoud, M. A.; El-Sayed, M. A. The Last Step in Converting the Surface Plasmonic Energy into Heat by Nanocages and Nanocubes on Substrates. Small 2013, 9 (23), 3934-3938.


