George C. Schatz
List of Publications

Books

1. **Quantum Mechanics in Chemistry**, G. C. Schatz and M. A. Ratner, Prentice Hall, Englewood Cliffs, NJ, 1993, xix+325 pages; republished by Dover, 2002 with additions and corrections. ISBN 0-486-42003-5.

2. **Highly Excited Molecules: Relaxation, Reaction and Structure**, A. S. Mullin and G. C. Schatz, ACS Symposium Series 678, American Chemical Society, Washington, D. C., 1997, xii+330 pages. ISBN13: 9780841235342

3. **Introduction to Quantum Mechanics in Chemistry**, M. A. Ratner and G. C. Schatz, Prentice Hall, Upper Saddle River, NJ, 2001, x+296 pages. ISBN 0-13-895491-7

4. **Frontiers of Plasmon Enhanced Spectroscopy**, Volume 1 and Volume 2, Y. Ozaki, G. C. Schatz, D. Graham and T. Itoh, ACS Symposium Series Vols. 1245 and 1246, American Chemical Society, Washington, D. C., 210 and 271 pp (2016) ISBN13: 9780841232013, ISBN13: 9780841232037

Patent application and Patents:

Nanoparticulate Nanosensors, NU application 22078/23008/25033, filed May 2005 based on provisional patents 10/784,129 filed Feb. 20, 2004 and 60/448,592 filed Feb. 20, 2003.

Immobilized Nano Rod Assembly (INRA): Multi-scale Fabrication Technique for Plasmonic Substrates, NU application 2012-143, filed Oct. 26, 2012

Broadband plasmonic absorber with hotspot generating gapped nanoantennas, NU application 2012-136, filed Nov. 5, 2012. Provisional application serial number 61/722,319.

Compositions, devices and methods for SERS and LSPR, Van Duyne, Richard P.; Zhang, Xiaoyu; Zhao, Jing; Whitney, Alyson V.; Elam, Jeffrey W.; Schatz, George C.; Stair, Peter C.; Zou, Shengli; Young, Matthew; Lyandres, Olga, Patent No. US 8,628,727 B2, dated Jan. 14, 2014

Conical pore ion pump for desalination, Yu Zhang and George C. Schatz, NU application NU2017-086, filed May 5, 2017

Photonic crystal built with nanoparticles and spacer groups, NU application 2017-130, ChadA. Mirkin, George C. Schatz, Haixing Lin and Lin Sun, filed July 14, 2017

Papers in Journals

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