

Adi Salomon – list of publications

1. Molecule – light complex: dynamics of hybrid molecule – surface plasmon states.
Salomon, A. Genet, C. and Ebbesen, TW.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, 48, Pages: 8749-8751, 2009.
2. Temperature-dependent electronic transport through alkyl chain monolayers: Evidence for a molecular signature
Salomon, A; Shpaisman, H; Seitz, O, et al.
JOURNAL OF PHYSICAL CHEMISTRY C Volume: 112 Issue: 10 Pages: 3969-3974, 2008.
3. Thiol-terminated monolayers on oxide-free Si: Assembly of semiconductor-alkyl-S-metal junctions
Bocking, T; Salomon, A; Cahen, D, et al.
LANGMUIR Volume: 23 Pages: 3236-3241, 2007
4. What is the barrier for tunneling through alkyl monolayers? Results from n- and p-Si-Alkyl/Hg junctions
Salomon, A; Boecking, T; Seitz, O, et al.
ADVANCED MATERIALS Volume: 19 Issue: 3 Pages: 445, 2007
5. How important is the interfacial chemical bond for electron transport through alkyl chain monolayers?
Salomon, A; Bocking, T; Gooding, J, et al.
NANO LETTERS Volume: 6 Pages: 2873-2876, 2006
6. Radiation damage to alkyl chain monolayers on semiconductor substrates investigated by electron spectroscopy
Amy, F; Chan, CK; Zhao, W, et al.
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 110 Issue: 43 Pages: 21826-21832, 2006
7. Electronic structure of Si(111)-bound alkyl monolayers: Theory and experiment
Segev, L; Salomon, A; Natan, A, et al.
PHYSICAL REVIEW B Volume: 74 165323, 2006
8. Importance of monolayer quality for interpreting current transport through organic molecules: Alkyls on oxide-free Si
Seitz, O; Bocking, T; Salomon, A, et al.
LANGMUIR Volume: 22 Issue: 16 Pages: 6915-6922, 2006
9. How do electronic carriers cross Si-bound alkyl monolayers?
Salomon, A; Boecking, T; Chan, CK, et al.
PHYSICAL REVIEW LETTERS Volume: 95 Issue: 26, page: 266807, 2005

10. Stable room-temperature molecular negative differential resistance based on molecule-electrode interface chemistry
Salomon, A; Arad-Yellin, R; Shanzer, A, et al.
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 126 Pages: 11648-11657, 2004
11. Comparison of electronic transport measurements on organic molecules
Salomon, A; Cahen, D; Lindsay, S, et al.
ADVANCED MATERIALS Volume: 15 Issue: 22 Pages: 1881-1890, 2003
12. Molecular modification of an ionic semiconductor-metal interface:
ZnO/molecule/Au diodes
Salomon, A; Berkovich, D; Cahen, D
APPLIED PHYSICS LETTERS Volume: 82 Issue: 7 Pages: 1051-1053, 2003
13. Voltage-driven changes in molecular dipoles yield negative differential resistance at room temperature
Selzer, Y; Salomon, A; Ghabboun, J, et al.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 41 Issue: 5 Pages: 827, 2002
14. The importance of chemical bonding to the contact for tunneling through alkyl chains
Selzer, Y; Salomon, A; Cahen, D
JOURNAL OF PHYSICAL CHEMISTRY B Volume: 106 Issue: 40 Pages: 10432-10439, 2002
15. Tuning electronic properties of semiconductors by adsorption of [60]fullerene carboxylic acid derivatives
Bonifazi, D; Salomon, A; Enger, O, et al.
ADVANCED MATERIALS Volume: 14 Issue: 11 Pages: 802-805, 2002
16. Effect of molecule-metal electronic coupling on through-bond hole tunneling across metal-organic monolayer-semiconductor junctions
Selzer, Y; Salomon, A; Cahen, D
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY Volume: 124 Issue: 12 Pages: 2886-2887, 2002