

Jamal Ghabboun

List of Publications by Year in descending order

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17
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642
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759233

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940533

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docs citations

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times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecule-Metal Polarization at Rectifying GaAs Interfaces. Journal of Physical Chemistry B, 2003, 107, 6360-6376.	2.6	83
2	Electrical Contacts to Organic Molecular Films by Metal Evaporation: Effect of Contacting Details. Journal of Physical Chemistry C, 2007, 111, 2318-2329.	3.1	70
3	Contacting organic molecules by metal evaporation. Physical Chemistry Chemical Physics, 2004, 6, 4538.	2.8	62
4	Voltage-Driven Changes in Molecular Dipoles Yield Negative Differential Resistance at Room Temperature We thank Prof. D. Mandler (HU Jerusalem) for making the hanging Hg drop electrode available to us, Prof. A. Shanzer and Ms. R. Lazar for synthesizing and providing the cyclic disulfide molecules, and Prof. J. M. L. Martin (all from the Organic Chemistry department, WIS), for guidance with the dipole moment calculations. We thank the Israel Science Foundation for partial support. Y.S. thanks the Clor fund f. Angewandte Chemie - International Edition, 2002, 41, 827.	13.8	59
5	Assembling of G-strands into novel tetra-molecular parallel G4-DNA nanostructures using avidin-biotin recognition. Nucleic Acids Research, 2008, 36, 5050-5060.	14.5	57
6	Pd versus Au as evaporated metal contacts to molecules. Applied Physics Letters, 2005, 86, 042113.	3.3	56
7	Efficient procedure of preparation and properties of long uniform G4-DNA nanowires. Analytical Biochemistry, 2008, 374, 71-78.	2.4	49
8	Molecular Monolayer-Mediated Control over Semiconductor Surfaces: Evidence for Molecular Depolarization of Silane Monolayers on Si/SiO ₂ . Journal of the American Chemical Society, 2003, 125, 4730-4731.	13.7	44
9	Tuning of Au/n-GaAs Diodes with Highly Conjugated Molecules. Journal of Physical Chemistry B, 2001, 105, 12011-12018.	2.6	39
10	Effect of Molecule-Molecule Interaction on the Electronic Properties of Molecularly Modified Si/SiO ₂ Surfaces. Journal of Physical Chemistry B, 2004, 108, 664-672.	2.6	39
11	Effect of Molecular Binding to a Semiconductor on Metal/Molecule/Semiconductor Junction Behavior. Journal of Physical Chemistry B, 2005, 109, 9622-9630.	2.6	34
12	Comparative Electrostatic Force Microscopy of Tetra- and Intra-Molecular G4-DNA. Advanced Materials, 2014, 26, 4981-4985.	21.0	20
13	Poly(dG)-poly(dC) DNA appears shorter than poly(dA)-poly(dT) and possibly adopts an A-related conformation on a mica surface under ambient conditions. FEBS Letters, 2007, 581, 5843-5846.	2.8	12
14	Structural and Thermal Analysis of Copper-Doped Poly(<i>N</i> -isopropylacrylamide) Films. International Journal of Polymer Analysis and Characterization, 2010, 15, 254-265.	1.9	8
15	Specific and efficient adsorption of phosphorothioated DNA on Au-based surfaces and electrodes. Applied Physics Letters, 2007, 91, 173101.	3.3	6
16	Mapping of Embedded Functionalized Carbon Nanotubes in Poly(vinyl alcohol)/Nanotube Composite Using Electrostatic Force Microscopy. International Journal of Polymer Analysis and Characterization, 2012, 17, 268-277.	1.9	4
17	DNA: Comparative Electrostatic Force Microscopy of Tetra- and Intra-Molecular G4-DNA (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Ove	21.0	8