

# Mechanically controlled binary conductance switching

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Citation Report

#	ARTICLE	IF	CITATIONS
6	Bistable hysteresis and resistance switching in hydrogen-gold junctions. <i>Physical Review B</i> , 2009, 80, .	3.2	25
7	Nanomechanically induced molecular conductance switch. <i>Applied Physics Letters</i> , 2009, 95, 232118.	3.3	14
8	Identifying molecular signatures in metal-molecule-metal junctions. <i>Nanoscale</i> , 2009, 1, 164.	5.6	37
9	Conductance and I-V characteristics of Au/BPY/Au single molecule junctions. <i>Journal of Chemical Physics</i> , 2009, 131, .	3.0	11
10	Molecular electronics with single molecules in solid-state devices. <i>Nature Nanotechnology</i> , 2009, 4, 551-556.	31.5	356
11	Exploring the Tilt-Angle Dependence of Electron Tunneling across Molecular Junctions of Self-Assembled Alkanethiols. <i>ACS Nano</i> , 2009, 3, 2073-2080.	14.6	53
12	Oligoyne Single Molecule Wires. <i>Journal of the American Chemical Society</i> , 2009, 131, 15647-15654.	13.7	206
13	N-Silylamine Junctions for Molecular Wires to Gold: The Effect of Binding Atom Hybridization on the Electronic Transmission. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20458-20462.	3.1	1
14	A Nanoelectromechanical Single-Atom Switch. <i>Nano Letters</i> , 2009, 9, 2940-2945.	9.1	67
15	Electrochemically Assisted Fabrication of Metal Atomic Wires and Molecular Junctions by MCBJ and STM Methods. <i>ChemPhysChem</i> , 2010, 11, 2745-2755.	2.1	38
16	Fundamentals of energy transport, energy conversion, and thermal properties in organic-inorganic heterojunctions. <i>Chemical Physics Letters</i> , 2010, 491, 109-122.	2.6	151
17	Formation and electronic transport properties of bimolecular junctions based on aromatic coupling. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 325102.	1.8	5
18	Two-state conductance in single Zn porphyrin molecular junctions. <i>Applied Physics Letters</i> , 2010, 96, 243107.	3.3	24
19	Regular Atomic Narrowing of Ni, Fe, and V Nanowires Resolved by Two-Dimensional Correlation Analysis. <i>Physical Review Letters</i> , 2010, 105, 266805.	7.8	42
20	Spin entanglement in supramolecular structures. <i>Nanotechnology</i> , 2010, 21, 274009.	2.6	28
21	Molecular conductivity switching of two benzene rings under electric field. <i>Applied Physics Letters</i> , 2010, 97, 262114.	3.3	22
22	Conductive junctions with parallel graphene sheets. <i>Journal of Chemical Physics</i> , 2010, 132, 114703.	3.0	11
23	Charge transport through molecular switches. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 133001.	1.8	250

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24	The Impact of <i>E</i> ~ <i>Z</i> Photo-Isomerization on Single Molecular Conductance. Nano Letters, 2010, 10, 2019-2023.	9.1	76
25	Effect of Electrode Orientations on Charge Transport in Alkanedithiol Single-Molecule Junctions. ACS Nano, 2010, 4, 6404-6408.	14.6	48
26	Probing the Molecule~Electrode Interface of Single-Molecule Junctions by Controllable Mechanical Modulations. Journal of Physical Chemistry C, 2010, 114, 8587-8592.	3.1	26
27	Single Molecule Conductance of Bipyridyl Ethynes: The Role of Surface Binding Modes. Journal of Physical Chemistry B, 2010, 114, 14189-14193.	2.6	5
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29	Effects of Interface Roughness on Electronic Transport Properties of Nanotube~Molecule~Nanotube Junctions. Journal of Physical Chemistry C, 2010, 114, 12335-12340.	3.1	11
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62	Room-Temperature Electrical Addressing of a Bistable Spin-Crossover Molecular System. <i>Advanced Materials</i> , 2011, 23, 1545-1549.	21.0	328
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180	Single-molecule electronics: from chemical design to functional devices. <i>Chemical Society Reviews</i> , 2014, 43, 7378-7411.	38.1	433
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