

Room-temperature logic-in-memory operations in sing

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Intra-molecular switching for memory and logic. <i>Nature Materials</i> , 2022, 21, 839-840.	27.5	4
2	Electrical devices designed based on inorganic clusters. <i>Nanotechnology</i> , 2022, 33, 502001.	2.6	3
3	Probing the Structure-Property Relationships of Na^+Cl^- under the External Electric Field. <i>Inorganic Chemistry</i> , 2022, 61, 17646-17652.	4.0	1
4	Molecular Electronics: Creating and Bridging Molecular Junctions and Promoting Its Commercialization. <i>Advanced Materials</i> , 2023, 35, .	21.0	13
5	Recent experimental advances and prospects for the next decade of single-molecule electronics: From devices to applications. <i>Chinese Science Bulletin</i> , 2023, 68, 2197-2212.	0.7	3
6	Switching Quantum Interference in Single-Molecule Junctions by Mechanical Tuning. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	1
7	Switching Quantum Interference in Single-Molecule Junctions by Mechanical Tuning. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	8
8	Switchable Polar Nanotexture in Nanolaminates $\text{HfO}_2/\text{ZrO}_2$ for Ultrafast Logic-Memory Operations. <i>Small</i> , 0, , 2206736.	10.0	0
9	Single-electron transport in $\text{H}_2\text{O}@C_{60}$ single-molecule transistors. <i>Chinese Physics B</i> , 0, , .	1.4	1
10	Interface engineering for single-molecule devices. <i>Trends in Chemistry</i> , 2023, 5, 367-379.	8.5	3
11	The pivotal role of non-covalent interactions in single-molecule charge transport. <i>Materials Chemistry Frontiers</i> , 0, , .	5.9	1
12	Robust sub-5 nanometer bis(diarylcarbene)-based thin film for molecular electronics and plasmonics. <i>Advanced Materials</i> , 0, , .	21.0	0
13	Generic dynamic molecular devices by quantitative non-steady-state proton/water-coupled electron transport kinetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	0
14	Redox-Mediated Single-Molecule Transistor with A Subthreshold Swing Down To $120\text{mV}/\text{Decade}^{-1}$. <i>Advanced Functional Materials</i> , 2023, 33, .	14.9	0
15	Stretch Evolution of Electronic Coupling of the Thiophenyl Anchoring Group with Gold in Mechanically Controllable Break Junctions. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 5709-5717.	4.6	0
16	Voltage-driven control of single-molecule keto-enol equilibrium in a two-terminal junction system. <i>Nature Communications</i> , 2023, 14, .	12.8	5
17	Ultrasensitive Detection of Organophosphorus Pesticides Using Single-Molecule Conductance Measurement. <i>Analytical Chemistry</i> , 2023, 95, 9831-9838.	6.5	3
18	Single-cluster electronics using metallic clusters: Fabrications, regulations, and applications. <i>Nano Research</i> , 2024, 17, 65-78.	10.4	0

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19	A quest for ideal electric field-driven MX@C ₇₀ endohedral fullerene memristors: which MX fits the best?. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 14245-14256.	2.8	3
20	Coexistence of Ferroelectricity and Ferromagnetism in Fullerene-Based One-Dimensional Chains. <i>Advanced Science</i> , 0, , .	11.2	1
21	Research on Electric Field-Induced Catalysis Using Single-Molecule Electrical Measurement. <i>Molecules</i> , 2023, 28, 4968.	3.8	0
22	Two Metastable Endohedral Metallofullerenes Sc ₂ C ₂ @C ₁ (39656)-C ₈₂ and Sc ₂ C ₂ @C ₁ (51383)-C ₈₄ : Direct-C ₂ -Insertion Products from Their Most Stable Precursors. <i>Journal of the American Chemical Society</i> , 2023, 145, 16778-16786.	13.7	4
23	Spinristor: A Spin-Filtering Memristor. <i>Advanced Electronic Materials</i> , 2023, 9, .	5.1	2
24	Conformation-based Molecular Memories for Nanoscale MemComputing. , 2023, , .		0
25	Structure and single-molecule conductance of two endohedral metallofullerenes with large C ₈₈ cage. <i>Nanoscale</i> , 2023, 15, 13645-13652.	5.6	0
26	Reversible electric switching of NDI molecular wires by orthogonal stimuli. <i>Chemical Communications</i> , 2023, 59, 12743-12746.	4.1	0
27	<sc>XMe</sc> - Xiamen Molecular Electronics Code: An Intelligent and <sc>Open-Source</sc> Data Analysis Tool for <sc>Single-Molecule</sc> Conductance Measurements. <i>Chinese Journal of Chemistry</i> , 2024, 42, 317-329.	4.9	4
28	In-situ electro-responsive through-space coupling enabling foldamers as volatile memory elements. <i>Nature Communications</i> , 2023, 14, .	12.8	2
29	Highly Reversible Molecular Photoswitches with Transition Metal Dichalcogenides Electrodes. <i>Small</i> , 2024, 20, .	10.0	1
30	Extreme long-lifetime self-assembled monolayer for air-stable molecular junctions. <i>Science Advances</i> , 2023, 9, .	10.3	1
31	Th@C ₂ (8)-C ₈₄ and Th@C _s (15)-C ₈₄ : impact of actinide metal ions on the electronic structures of actinide endohedral metallofullerenes. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	0
32	Bandgap Engineering of Erbium-Metallofullerenes toward Switchable Photoluminescence. <i>Advanced Materials</i> , 2023, 35, .	21.0	1
33	Discovery of Ferroelectricity in the Fullerene Adduct C ₆₀ S ₈ . <i>Journal of the American Chemical Society</i> , 2023, 145, 23292-23299.	13.7	0
34	Microscopic theory, analysis, and interpretation of conductance histograms in molecular junctions. <i>Nature Communications</i> , 2023, 14, .	12.8	1
35	Plasmon-Molecule Interactions in Single-Molecule Junctions. <i>ChemPlusChem</i> , 0, , .	2.8	0
36	Single-molecule non-volatile memories: an overview and future perspectives. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	0

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37	Recent advances in endohedral metallofullerenes. <i>Fundamental Research</i> , 2023, , .	3.3	1
38	Novel nanoparticle CS-C60-Fe3O4 magnetically induces tissue-specific aggregation and enhances thermal ablation of hepatocellular carcinoma. <i>Cancer Nanotechnology</i> , 2024, 15, .	3.7	0
39	Logic operation and real-time communication via tunable excited states in a single-molecule optoelectronic chip. <i>CheM</i> , 2024, 10, 1445-1457.	11.7	0
40	Ballistic Conductance through Porphyrin Nanoribbons. <i>Journal of the American Chemical Society</i> , 2024, 146, 3651-3659.	13.7	0
41	Mechanical modulation effects of gold electrodes on geometries and electronic transport properties of azobenzene molecular junctions. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2024, 73, 088502.	0.5	0
42	Regularly Tuning Quantum Interference in ^{Single-Molecule} Junctions through Systematic Substitution of Side Groups with Varied Electron Effects. <i>Chinese Journal of Chemistry</i> , 2024, 42, 1217-1222.	4.9	0
43	Endometallofullerenes in the Gas Phase: Progress and Prospect. <i>Inorganics</i> , 2024, 12, 68.	2.7	0
44	Conductance Evolution of Photoisomeric Single-Molecule Junctions under Ultraviolet Irradiation and Mechanical Stretching. <i>Journal of the American Chemical Society</i> , 2024, 146, 6856-6865.	13.7	0
45	Ag-doped non-“imperfection-enabled uniform memristive neuromorphic device based on van der Waals indium phosphorus sulfide. <i>Science Advances</i> , 2024, 10, .	10.3	0
46	Electrically controlled nonvolatile switching of single-atom magnetism in a Dy@C84 single-molecule transistor. <i>Nature Communications</i> , 2024, 15, .	12.8	0
47	Understanding Emergent Complexity from a Single-Molecule Perspective. <i>Jacs Au</i> , 2024, 4, 1278-1294.	7.9	0