

# Enrique Burzuri

## List of Publications by Year in descending order

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43  
papers

1,557  
citations

304743

22  
h-index

302126

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of devices featuring covalently linked MoS <sub>2</sub> –graphene heterostructures. <i>Nature Chemistry</i> , 2022, 14, 695-700.	13.6	23
2	Spin-state-dependent electrical conductivity in single-walled carbon nanotubes encapsulating spin-crossover molecules. <i>Nature Communications</i> , 2021, 12, 1578.	12.8	47
3	Tunable Proton Conductivity and Color in a Nonporous Coordination Polymer via Lattice Accommodation to Small Molecules. <i>Advanced Science</i> , 2021, 8, e2102619.	11.2	7
4	Spin-crossover complexes in nanoscale devices: main ingredients of the molecule–substrate interactions. <i>Nanoscale</i> , 2021, 13, 18702-18713.	5.6	13
5	Magnetic, Mechanically Interlocked Porphyrin–Carbon Nanotubes for Quantum Computation and Spintronics. <i>Journal of the American Chemical Society</i> , 2021, 143, 21286-21293.	13.7	12
6	Optimized Liquid-Phase Exfoliation of Magnetic van der Waals Heterostructures: Towards the Single Layer and Deterministic Fabrication of Devices. <i>Molecules</i> , 2021, 26, 7371.	3.8	4
7	A switchable iron-based coordination polymer toward reversible acetonitrile electro-optical readout. <i>Chemical Science</i> , 2019, 10, 6612-6616.	7.4	26
8	Mechanical and liquid phase exfoliation of cylindrite: a natural van der Waals superlattice with intrinsic magnetic interactions. <i>2D Materials</i> , 2019, 6, 035023.	4.4	38
9	Physically Unclonable Functions Based on Single-Walled Carbon Nanotubes: A Scalable and Inexpensive Method toward Unique Identifiers. <i>ACS Applied Nano Materials</i> , 2019, 2, 1796-1801.	5.0	17
10	Spin-state dependent conductance switching in single molecule-graphene junctions. <i>Nanoscale</i> , 2018, 10, 7905-7911.	5.6	46
11	Robust Organic Radical Molecular Junctions Using Acetylene Terminated Groups for C–Au Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 1691-1696.	13.7	79
12	Simultaneous assembly of van der Waals heterostructures into multiple nanodevices. <i>Nanoscale</i> , 2018, 10, 7966-7970.	5.6	17
13	Quantum Landauer erasure with a molecular nanomagnet. <i>Nature Physics</i> , 2018, 14, 565-568.	16.7	54
14	Spin signatures in the electrical response of graphene nanogaps. <i>Nanoscale</i> , 2018, 10, 18169-18177.	5.6	10
15	Transport mirages in single-molecule devices. <i>Journal of Chemical Physics</i> , 2017, 146, .	3.0	27
16	Redox-Induced Gating of the Exchange Interactions in a Single Organic Diradical. <i>ACS Nano</i> , 2017, 11, 5879-5883.	14.6	50
17	Proximity-Induced Shiba States in a Molecular Junction. <i>Physical Review Letters</i> , 2017, 118, 117001.	7.8	44
18	Band-Gap Opening in Metallic Single-Walled Carbon Nanotubes by Encapsulation of an Organic Salt. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12240-12244.	13.8	22

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19	Bandâ€Gap Opening in Metallic Singleâ€Walled Carbon Nanotubes by Encapsulation of an Organic Salt. <i>Angewandte Chemie</i> , 2017, 129, 12408-12412.	2.0	0
20	Exchange Coupling Inversion in a High-Spin Organic Triradical Molecule. <i>Nano Letters</i> , 2016, 16, 2066-2071.	9.1	60
21	Sequential Electron Transport and Vibrational Excitations in an Organic Molecule Coupled to Few-Layer Graphene Electrodes. <i>ACS Nano</i> , 2016, 10, 2521-2527.	14.6	47
22	Electron-vibron coupling effects on electron transport via a single-molecule magnet. <i>Physical Review B</i> , 2015, 91, .	3.2	13
23	Muon spin rotation and neutron scattering study of the noncentrosymmetric tetragonal compound $CeAuAl_3$ . <i>Physical Review B</i> , 2015, 91, .	3.2	19
24	Probing transverse magnetic anisotropy by electronic transport through a single-molecule magnet. <i>Physical Review B</i> , 2015, 91, .	3.2	27
25	Observing magnetic anisotropy in electronic transport through individual single-molecule magnets. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 113202.	1.8	22
26	Kondo Effect in a Neutral and Stable All Organic Radical Single Molecule Break Junction. <i>Nano Letters</i> , 2015, 15, 3109-3114.	9.1	117
27	Superconducting molybdenum-rhenium electrodes for single-molecule transport studies. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	9
28	Single-molecule transistors. <i>Chemical Society Reviews</i> , 2015, 44, 902-919.	38.1	282
29	Note: Long-range scanning tunneling microscope for the study of nanostructures on insulating substrates. <i>Review of Scientific Instruments</i> , 2014, 85, 026105.	1.3	2
30	Franckâ€Condon Blockade in a Single-Molecule Transistor. <i>Nano Letters</i> , 2014, 14, 3191-3196.	9.1	102
31	Fabrication of hybrid molecular devices using multi-layer graphene break junctions. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 474205.	1.8	20
32	Single-Molecule Spintronics. <i>Nanoscience and Technology</i> , 2014, , 297-318.	1.5	2
33	Quantum Interference Oscillations of the Superparamagnetic Blocking in an $Fe_8$ Molecular Nanomagnet. <i>Physical Review Letters</i> , 2013, 111, 057201.	7.8	11
34	Realization of the one-dimensional anisotropic $XY$ model in a $Tb(III)-W(V)$ chain compound. <i>Physical Review B</i> , 2012, 85, .	3.2	7
35	Direct Observation of Magnetic Anisotropy in an Individual $Fe_4$ Single-Molecule Magnet. <i>Physical Review Letters</i> , 2012, 109, 147203.	7.8	78
36	Characterization of Nanometer-Spaced Few-Layer Graphene Electrodes. <i>Graphene</i> , 2012, 01, 26-29.	1.0	27

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37	Hybrid Magnetic/Superconducting Materials Obtained by Insertion of a Single-Molecule Magnet into TaS <sub>2</sub> Layers. <i>Advanced Materials</i> , 2011, 23, 5021-5026.	21.0	30
38	Chromium(iii) stars and butterflies: synthesis, structural and magnetic studies of tetrametallic clusters. <i>Dalton Transactions</i> , 2011, 40, 5278.	3.3	17
39	A Tetragonal 2D Array of Single-Molecule Magnets with Modulated Collective Behavior. <i>Chemistry - A European Journal</i> , 2011, 17, 2818-2822.	3.3	20
40	Magnetic Dipolar Ordering and Quantum Phase Transition in an $\text{Fe}_8$ Molecular Magnet. <i>Physical Review Letters</i> , 2011, 107, 097203.	7.8	38
41	Magnetic Properties of Two New $\text{Fe}_4$ Single-Molecule Magnets in the Solid State and in Frozen Solution. <i>Chemistry - A European Journal</i> , 2010, 16, 10178-10185. Alignment of magnetic anisotropy axes in crystals of $\text{Mn}_{12}$	3.3	27
42	and $\text{Mn}_{12}$ molecular nanoma. <i>Physical Review B</i> , 2009, 80, .	3.2	11
43	A Novel $\text{Ni}_4$ Complex Exhibiting Microsecond Quantum Tunneling of the Magnetization. <i>Chemistry - A European Journal</i> , 2008, 14, 11158-11166.	3.3	33