

# Pablo Merino

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,657  
citations

361296  
20  
h-index

289141  
40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	2.0	333
2	Strain-Driven Moiré Superstructures of Epitaxial Graphene on Transition Metal Surfaces. <i>ACS Nano</i> , 2011, 5, 5627-5634.	7.3	155
3	Large-area high-throughput synthesis of monolayer graphene sheet by Hot Filament Thermal Chemical Vapor Deposition. <i>Scientific Reports</i> , 2012, 2, 682.	1.6	138
4	Atomic-Scale Imaging and Spectroscopy of Electroluminescence at Molecular Interfaces. <i>Chemical Reviews</i> , 2017, 117, 5174-5222.	23.0	126
5	Graphene Functionalisation with a Conjugated Poly(fluorene) by Click Coupling: Striking Electronic Properties in Solution. <i>Chemistry - A European Journal</i> , 2012, 18, 4965-4973.	1.7	75
6	Exciton dynamics of C60-based single-photon emitters explored by Hanbury Brown-Twiss scanning tunnelling microscopy. <i>Nature Communications</i> , 2015, 6, 8461.	5.8	73
7	Ordered Vacancy Network Induced by the Growth of Epitaxial Graphene on Pt(111). <i>Physical Review Letters</i> , 2010, 105, 216102.	2.9	70
8	Graphene etching on SiC grains as a path to interstellar polycyclic aromatic hydrocarbons formation. <i>Nature Communications</i> , 2014, 5, 3054.	5.8	59
9	Silicene versus two-dimensional ordered silicide: Atomic and electronic structure of Si $\sqrt{3}\times\sqrt{3}$ Ag $\sqrt{3}\times\sqrt{3}$ Ag. <i>Physical Review B</i> , 2014, 89, .	5.8	19
10	van der Waals interactions mediating the cohesion of fullerenes on graphene. <i>Physical Review B</i> , 2012, 86, .	1.1	54
11	Prevalence of non-aromatic carbonaceous molecules in the inner regions of circumstellar envelopes. <i>Nature Astronomy</i> , 2020, 4, 97-105.	4.2	48
12	Comparative Response of Biosensing Platforms Based on Synthesized Graphene Oxide and Electrochemically Reduced Graphene. <i>Electroanalysis</i> , 2013, 25, 154-165.	1.5	42
13	Electronic and Chemical Properties of Donor, Acceptor Centers in Graphene. <i>ACS Nano</i> , 2015, 9, 9180-9187.	7.3	36
14	Lactate biosensor based on a bionanocomposite composed of titanium oxide nanoparticles, photocatalytically reduced graphene, and lactate oxidase. <i>Mikrochimica Acta</i> , 2014, 181, 79-87.	2.5	35
15	The Chemistry of Cosmic Dust Analogs from C, C <sub>2</sub> , and C <sub>2</sub> H <sub>2</sub> in C-rich Circumstellar Envelopes. <i>Astrophysical Journal</i> , 2020, 895, 97.	1.6	30
16	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 054301.	1.0	26
17	Submolecular Electroluminescence Mapping of Organic Semiconductors. <i>ACS Nano</i> , 2017, 11, 1230-1237.	7.3	25
18	Single Charge and Exciton Dynamics Probed by Molecular-Scale-Induced Electroluminescence. <i>Nano Letters</i> , 2018, 18, 4001-4007.	4.5	25

#	ARTICLE	IF	CITATIONS
19	Charge Carrier Injection Electroluminescence with CO-Functionalized Tips on Single Molecular Emitters. <i>Nano Letters</i> , 2019, 19, 8605-8611.	4.5	22
20	Nanoscale Imaging of Charge Carrier and Exciton Trapping at Structural Defects in Organic Semiconductors. <i>Nano Letters</i> , 2016, 16, 2084-2089.	4.5	21
21	Bimodal exciton-plasmon light sources controlled by local charge carrier injection. <i>Science Advances</i> , 2018, 4, eaap8349.	4.7	21
22	Exciton-Trion Conversion Dynamics in a Single Molecule. <i>ACS Nano</i> , 2021, 15, 7694-7699.	7.3	20
23	Sublattice Localized Electronic States in Atomically Resolved Graphene-Pt(111) Edge-Boundaries. <i>ACS Nano</i> , 2014, 8, 3590-3596.	7.3	19
24	Role of the Pinning Points in epitaxial Graphene Moiré Superstructures on the Pt(111) Surface. <i>Scientific Reports</i> , 2016, 6, 20354.	1.6	18
25	Atomic-Scale Dynamics Probed by Photon Correlations. <i>ACS Nano</i> , 2020, 14, 6366-6375.	7.3	17
26	Single Photon Emission from a Plasmonic Light Source Driven by a Local Field-Induced Coulomb Blockade. <i>ACS Nano</i> , 2020, 14, 4216-4223.	7.3	14
27	Ortho and Para Hydrogen Dimers on G/SiC(0001): Combined STM and DFT Study. <i>Langmuir</i> , 2015, 31, 233-239.	1.6	12
28	Mechano-Optical Switching of a Single Molecule with Doublet Emission. <i>ACS Nano</i> , 2020, 14, 8931-8938.	7.3	11
29	A Single Hydrogen Molecule as an Intensity Chopper in an Electrically Driven Plasmonic Nanocavity. <i>Nano Letters</i> , 2019, 19, 235-241.	4.5	10
30	Atomic-Scale Structural Fluctuations of a Plasmonic Cavity. <i>Nano Letters</i> , 2021, 21, 7221-7227.	4.5	10
31	Silicon and Hydrogen Chemistry under Laboratory Conditions Mimicking the Atmosphere of Evolved Stars. <i>Astrophysical Journal</i> , 2021, 906, 44.	1.6	10
32	Steering Hydrocarbon Selectivity in CO <sub>2</sub> Electroreduction over Soft-Landed CuO Nanoparticle-Functionalized Gas Diffusion Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2691-2702.	4.0	9
33	Real Space Visualization of Entangled Excitonic States in Charged Molecular Assemblies. <i>ACS Nano</i> , 2022, 16, 1082-1088.	7.3	8
34	Metal-catalyst-free gas-phase synthesis of long-chain hydrocarbons. <i>Nature Communications</i> , 2021, 12, 5937.	5.8	7
35	On-Surface Driven Formal Michael Addition Produces m-Polyaniline Oligomers on Pt(111). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23220-23227.	7.2	5
36	Tailored graphenic structures directly grown on titanium oxide boost the interfacial charge transfer. <i>Applied Surface Science</i> , 2020, 504, 144439.	3.1	4

#	ARTICLE	IF	CITATIONS
37	Atomically-resolved edge states on surface-nanotemplated graphene explored at room temperature. <i>Nanoscale</i> , 2017, 9, 3905-3911.	2.8	3
38	Gigahertz Frame Rate Imaging of Charge-Injection Dynamics in a Molecular Light Source. <i>Nano Letters</i> , 2021, 21, 4577-4583.	4.5	3
39	Gold Chain Formation <i>via</i> Local Lifting of Surface Reconstruction by Hot Electron Injection on $H_{2}(D_{2})/Au(111)$ . <i>ACS Nano</i> , 2020, 14, 15241-15247.	7.3	2
40	LiCl Photodissociation on Graphene: A Photochemical Approach to Lithium Intercalation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42205-42211.	4.0	2
41	On-Surface Driven Formal Michael Addition Produces $m$ -Polyaniline Oligomers on Pt(111). <i>Angewandte Chemie</i> , 2020, 132, 23420-23427.	1.6	1
42	Exzitonen unter dem Mikroskop. <i>Physik in Unserer Zeit</i> , 2016, 47, 6-7.	0.0	0
43	Constant amplitude driving of a radio frequency excited plasmonic tunnel junction. <i>Applied Physics Letters</i> , 2021, 118, 193301.	1.5	0