

Pablo Merino

List of Publications by Year in descending order

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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	Steering Hydrocarbon Selectivity in CO ₂ Electroreduction over Soft-Landed CuO Nanoparticle-Functionalized Gas Diffusion Electrodes. ACS Applied Materials & Interfaces, 2022, 14, 2691-2702.	4.0	9
2	Real Space Visualization of Entangled Excitonic States in Charged Molecular Assemblies. ACS Nano, 2022, 16, 1082-1088.	7.3	8
3	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. Publications of the Astronomical Society of the Pacific, 2022, 134, 054301.	1.0	26
4	Exciton-Trion Conversion Dynamics in a Single Molecule. ACS Nano, 2021, 15, 7694-7699.	7.3	20
5	Constant amplitude driving of a radio frequency excited plasmonic tunnel junction. Applied Physics Letters, 2021, 118, 193301.	1.5	0
6	Gigahertz Frame Rate Imaging of Charge-Injection Dynamics in a Molecular Light Source. Nano Letters, 2021, 21, 4577-4583.	4.5	3
7	Atomic-Scale Structural Fluctuations of a Plasmonic Cavity. Nano Letters, 2021, 21, 7221-7227.	4.5	10
8	LiCl Photodissociation on Graphene: A Photochemical Approach to Lithium Intercalation. ACS Applied Materials & Interfaces, 2021, 13, 42205-42211.	4.0	2
9	Silicon and Hydrogen Chemistry under Laboratory Conditions Mimicking the Atmosphere of Evolved Stars. Astrophysical Journal, 2021, 906, 44.	1.6	10
10	Metal-catalyst-free gas-phase synthesis of long-chain hydrocarbons. Nature Communications, 2021, 12, 5937.	5.8	7
11	Tailored graphenic structures directly grown on titanium oxide boost the interfacial charge transfer. Applied Surface Science, 2020, 504, 144439.	3.1	4
12	Prevalence of non-aromatic carbonaceous molecules in the inner regions of circumstellar envelopes. Nature Astronomy, 2020, 4, 97-105.	4.2	48
13	On-Surface Driven Formal Michael Addition Produces π -Polyaniline Oligomers on Pt(111). Angewandte Chemie - International Edition, 2020, 59, 23220-23227.	7.2	5
14	On-Surface Driven Formal Michael Addition Produces π -Polyaniline Oligomers on Pt(111). Angewandte Chemie, 2020, 132, 23420-23427.	1.6	1
15	Gold Chain Formation <i>via</i> Local Lifting of Surface Reconstruction by Hot Electron Injection on H ₂ (D ₂)/Au(111). ACS Nano, 2020, 14, 15241-15247.	7.3	2
16	The Chemistry of Cosmic Dust Analogs from C, C ₂ , and C ₂ H ₂ in C-rich Circumstellar Envelopes. Astrophysical Journal, 2020, 895, 97.	1.6	30
17	Atomic-Scale Dynamics Probed by Photon Correlations. ACS Nano, 2020, 14, 6366-6375.	7.3	17
18	Mechano-Optical Switching of a Single Molecule with Doublet Emission. ACS Nano, 2020, 14, 8931-8938.	7.3	11

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19	Single Photon Emission from a Plasmonic Light Source Driven by a Local Field-Induced Coulomb Blockade. ACS Nano, 2020, 14, 4216-4223.	7.3	14
20	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
21	Charge Carrier Injection Electroluminescence with CO-Functionalized Tips on Single Molecular Emitters. Nano Letters, 2019, 19, 8605-8611.	4.5	22
22	A Single Hydrogen Molecule as an Intensity Chopper in an Electrically Driven Plasmonic Nanocavity. Nano Letters, 2019, 19, 235-241.	4.5	10
23	Single Charge and Exciton Dynamics Probed by Molecular-Scale-Induced Electroluminescence. Nano Letters, 2018, 18, 4001-4007.	4.5	25
24	Bimodal exciton-plasmon light sources controlled by local charge carrier injection. Science Advances, 2018, 4, eaap8349.	4.7	21
25	Submolecular Electroluminescence Mapping of Organic Semiconductors. ACS Nano, 2017, 11, 1230-1237.	7.3	25
26	Atomically-resolved edge states on surface-nanotemplated graphene explored at room temperature. Nanoscale, 2017, 9, 3905-3911.	2.8	3
27	Atomic-Scale Imaging and Spectroscopy of Electroluminescence at Molecular Interfaces. Chemical Reviews, 2017, 117, 5174-5222.	23.0	126
28	Role of the Pinning Points in epitaxial Graphene Moiré Superstructures on the Pt(111) Surface. Scientific Reports, 2016, 6, 20354.	1.6	18
29	Exzitonen unter dem Mikroskop. Physik in Unserer Zeit, 2016, 47, 6-7.	0.0	0
30	Nanoscale Imaging of Charge Carrier and Exciton Trapping at Structural Defects in Organic Semiconductors. Nano Letters, 2016, 16, 2084-2089.	4.5	21
31	Exciton dynamics of C60-based single-photon emitters explored by Hanbury Brown-Twiss scanning tunnelling microscopy. Nature Communications, 2015, 6, 8461.	5.8	73
32	Electronic and Chemical Properties of Donor, Acceptor Centers in Graphene. ACS Nano, 2015, 9, 9180-9187.	7.3	36
33	Ortho and Para Hydrogen Dimers on G/SiC(0001): Combined STM and DFT Study. Langmuir, 2015, 31, 233-239.	1.6	12
34	Lactate biosensor based on a bionanocomposite composed of titanium oxide nanoparticles, photocatalytically reduced graphene, and lactate oxidase. Mikrochimica Acta, 2014, 181, 79-87.	2.5	35
35	Sublattice Localized Electronic States in Atomically Resolved Graphene-Pt(111) Edge-Boundaries. ACS Nano, 2014, 8, 3590-3596.	7.3	19
36	Graphene etching on SiC grains as a path to interstellar polycyclic aromatic hydrocarbons formation. Nature Communications, 2014, 5, 3054.	5.8	59

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37	Silicene versus two-dimensional ordered silicide: Atomic and electronic structure of Si- $\sqrt{3}\times\sqrt{3}$ Ag $\sqrt{3}\times\sqrt{3}$ Ag. Physical Review B, 2014, 89, .	1.5	58
38	Comparative Response of Biosensing Platforms Based on Synthesized Graphene Oxide and Electrochemically Reduced Graphene. Electroanalysis, 2013, 25, 154-165.	1.5	42
39	van der Waals interactions mediating the cohesion of fullerenes on graphene. Physical Review B, 2012, 86, .	1.1	54
40	Large-area high-throughput synthesis of monolayer graphene sheet by Hot Filament Thermal Chemical Vapor Deposition. Scientific Reports, 2012, 2, 682.	1.6	138
41	Graphene Functionalisation with a Conjugated Poly(fluorene) by Click Coupling: Striking Electronic Properties in Solution. Chemistry - A European Journal, 2012, 18, 4965-4973.	1.7	75
42	Strain-Driven Moiré Superstructures of Epitaxial Graphene on Transition Metal Surfaces. ACS Nano, 2011, 5, 5627-5634.	7.3	155
43	Ordered Vacancy Network Induced by the Growth of Epitaxial Graphene on Pt(111). Physical Review Letters, 2010, 105, 216102.	2.9	70