

J Enrique Ortega

List of Publications by Year in descending order

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74
papers

1,940
citations

218592

26
h-index

276775

41
g-index

78
all docs

78
docs citations

78
times ranked

2387
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrate-Independent Growth of Atomically Precise Chiral Graphene Nanoribbons. ACS Nano, 2016, 10, 9000-9008.	7.3	155
2	Electron Confinement in Surface States on a Stepped Gold Surface Revealed by Angle-Resolved Photoemission. Physical Review Letters, 2001, 87, 107601.	2.9	115
3	Plasmonics in Atomically Thin Crystalline Silver Films. ACS Nano, 2019, 13, 7771-7779.	7.3	86
4	Lateral quantum wells at vicinal Au(111) studied with angle-resolved photoemission. Physical Review B, 2002, 66, .	1.1	78
5	Multi-Component Organic Layers on Metal Substrates. Advanced Materials, 2016, 28, 1340-1368.	11.1	75
6	Electron Wave Function at a Vicinal Surface: Switch from Terrace to Step Modulation. Physical Review Letters, 2000, 84, 6110-6113.	2.9	72
7	One-dimensional versus two-dimensional surface states on stepped Au(111). Physical Review B, 2002, 65, .	1.1	56
8	Fermi Gap Stabilization of an Incommensurate Two-Dimensional Superstructure. Physical Review Letters, 2005, 94, 016103.	2.9	55
9	Precise engineering of quantum dot array coupling through their barrier widths. Nature Communications, 2017, 8, 787.	5.8	55
10	Customized Electronic Coupling in Self-Assembled Donor-Acceptor Nanostructures. Advanced Functional Materials, 2009, 19, 3567-3573.	7.8	52
11	Au(111)-Based Nanotemplates by Gd Alloying. ACS Nano, 2010, 4, 1603-1611.	7.3	50
12	X-ray photoemission analysis of clean and carbon monoxide-chemisorbed platinum(111) stepped surfaces using a curved crystal. Nature Communications, 2015, 6, 8903.	5.8	48
13	Γ Band Dispersion along Conjugated Organic Nanowires Synthesized on a Metal Oxide Semiconductor. Journal of the American Chemical Society, 2016, 138, 5685-5692.	6.6	47
14	Unraveling the Electronic Structure of Narrow Atomically Precise Chiral Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2018, 9, 25-30.	2.1	41
15	High Temperature Ferromagnetism in a GdAg_2 Monolayer. Nano Letters, 2016, 16, 4230-4235.	4.5	40
16	Tunable Band Alignment with Unperturbed Carrier Mobility of On-Surface Synthesized Organic Semiconducting Wires. ACS Nano, 2016, 10, 2644-2651.	7.3	40
17	Interplay between structure and electronic states in step arrays explored with curved surfaces. Physical Review B, 2011, 83, .	1.1	36
18	Spectroscopy of Donor-Acceptor Porphyrins for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2013, 117, 13357-13364.	1.5	36

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19	Strain Dependent Light-off Temperature in Catalysis Revealed by Planar Laser-Induced Fluorescence. ACS Catalysis, 2017, 7, 110-114.	5.5	36
20	Self-Assembly of Bicomponent Molecular Monolayers: Adsorption Height Changes and Their Consequences. Physical Review Letters, 2014, 112, 117602.	2.9	34
21	Switching from Reactant to Substrate Engineering in the Selective Synthesis of Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2018, 9, 2510-2517.	2.1	31
22	Electronic Properties of Substitutionally Boron-Doped Graphene Nanoribbons on a Au(111) Surface. Journal of Physical Chemistry C, 2018, 122, 16092-16099.	1.5	31
23	Measurement of electron wave functions and confining potentials via photoemission. Physical Review B, 2003, 67, .	1.1	30
24	Exploring the Relation Between Intramolecular Conjugation and Band Dispersion in One-Dimensional Polymers. Journal of Physical Chemistry C, 2017, 121, 27118-27125.	1.5	29
25	Modelling nanostructures with vicinal surfaces. Journal of Physics Condensed Matter, 2006, 18, S27-S49.	0.7	28
26	Electronic Structure Tunability by Periodic <i>meta</i> -Ligand Spacing in One-Dimensional Organic Semiconductors. ACS Nano, 2018, 12, 10537-10544.	7.3	27
27	Interplay between Steps and Oxygen Vacancies on Curved TiO ₂ (110). Nano Letters, 2016, 16, 2017-2022.	4.5	25
28	Electronic states in faceted Au(111) studied with curved crystal surfaces. Journal of Physics Condensed Matter, 2009, 21, 353001.	0.7	24
29	Catalytic Oxidation of Carbon Monoxide on a Curved Pd Crystal: Spatial Variation of Active and Poisoning Phases in Stationary Conditions. Journal of the American Chemical Society, 2018, 140, 16245-16252.	6.6	24
30	Rare-Earth Surface Alloying: A New Phase for GdAu_2 . Physical Review Letters, 2010, 105, 016101.	2.9	22
31	Periodicity and thickness effects in the cross section of quantum well states. Physical Review B, 2000, 62, 12672-12675.	1.1	21
32	Non-Covalent Interactions in Supramolecular Assemblies Investigated with Electron Spectroscopies. ChemPhysChem, 2009, 10, 896-900.	1.0	21
33	CeAu_2 surface intermetallic compounds grown by high-temperature deposition on Au(111). Physical Review B, 2013, 88, .	1.1	21
34	Structure and electronic states of vicinal Ag(111) surfaces with densely kinked steps. New Journal of Physics, 2018, 20, 073010.	1.2	21
35	Inversed linear dichroism in F _K -edge NEXAFS spectra of fluorinated planar aromatic molecules. Physical Review B, 2012, 86, .	1.1	20
36	Polymerization of Well-Aligned Organic Nanowires on a Ferromagnetic Rare-Earth Surface Alloy. ACS Nano, 2017, 11, 12392-12401.	7.3	20

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37	Self-organized growth of high density magnetic Co nanodot arrays on a Moiré template. Applied Physics Letters, 2010, 96, .	1.5	18
38	Spectroscopic Fingerprints of Amine and Imide Functional Groups in Self-Assembled Monolayers. ChemPhysChem, 2007, 8, 1722-1726.	1.0	17
39	Quantum well and resonance-band split off in a K monolayer on Cu(111). Physical Review B, 2008, 77, .	1.1	16
40	Configuring Electronic States in an Atomically Precise Array of Quantum Boxes. Small, 2016, 12, 3757-3763.	5.2	16
41	Searching for kagome multi-bands and edge states in a predicted organic topological insulator. Nanoscale, 2021, 13, 5216-5223.	2.8	16
42	Lifshitz Transition across the $AgCu_{111}$ (stretchy=false) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td (stretchy=false) /mn Review Letters, 2011, 107, 066803.		
43	Co Nanodot Arrays Grown on a GdAu ₂ Template: Substrate/Nanodot Antiferromagnetic Coupling. Nano Letters, 2014, 14, 2977-2981.	4.5	14
44	Electron Transmission through Coordinating Atoms Embedded in Metal-Organic Nanoporous Networks. Physical Review Letters, 2019, 123, 266805.	2.9	14
45	Surface state tunable energy and mass renormalization from homothetic quantum dot arrays. Nanoscale, 2019, 11, 23132-23138.	2.8	14
46	Oxygen Intercalation and Oxidation of Atomically Thin h-BN Grown on a Curved Ni Crystal. Journal of Physical Chemistry C, 2019, 123, 593-602.	1.5	14
47	Understanding Periodic Dislocations in 2D Supramolecular Crystals: The PFP/Ag(111) Interface. Journal of Physical Chemistry Letters, 2012, 3, 848-852.	2.1	13
48	Catalytic Oxidation of CO on a Curved Pt(111) Surface: Simultaneous Ignition at All Facets through a Transient CO-O Complex**. Angewandte Chemie - International Edition, 2020, 59, 20037-20043.	7.2	13
49	CO Chemisorption on Vicinal Rh(111) Surfaces Studied with a Curved Crystal. Journal of Physical Chemistry C, 2020, 124, 9305-9313.	1.5	13
50	Surface electronic structure of a vicinal Cu crystal. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1194-1197.	0.9	11
51	Step-doubling at Vicinal Ni(111) Surfaces Investigated with a Curved Crystal. Journal of Physical Chemistry C, 2017, 121, 3880-3886.	1.5	11
52	Boron nitride monolayer growth on vicinal Ni(100) surfaces systematically studied with a curved crystal. 2D Materials, 2019, 6, 025013.	2.0	11
53	Influence of 4f filling on electronic and magnetic properties of rare earth-Au surface compounds. Nanoscale, 2020, 12, 22258-22267.	2.8	11
54	Magnetism and morphology of Co nanocluster superlattices on GdAu ₂ /Au(111) (13Å-13). Physical Review B, 2014, 90, .	1.1	9

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55	Graphene: Free electron scattering within an inverted honeycomb lattice. <i>Physical Review B</i> , 2019, 99, .	1.1	9
56	Atomicallyâ€Precise Texturing of Hexagonal Boron Nitride Nanostripes. <i>Advanced Science</i> , 2021, 8, e2101455.	5.6	9
57	Growth of Co Nanomagnet Arrays with Enhanced Magnetic Anisotropy. <i>Advanced Science</i> , 2016, 3, 1600187.	5.6	8
58	Temperature dependence of the partially localized state in a 2D molecular nanoporous network. <i>Applied Surface Science</i> , 2017, 391, 39-43.	3.1	8
59	Symmetry, Shape, and Energy Variations in Frontier Molecular Orbitals at Organic/Metal Interfaces: The Case of F ₄ TCNQ. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28412-28419.	1.5	7
60	Effective determination of surface potential landscapes from metal-organic nanoporous network overlayers. <i>New Journal of Physics</i> , 2019, 21, 053004.	1.2	7
61	Metallic thin films on stepped surfaces: lateral scattering of quantum well states. <i>New Journal of Physics</i> , 2014, 16, 123025.	1.2	6
62	Increase of Polymerization Yield on Titania by Surface Reduction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16918-16925.	1.5	5
63	Synthesis of Graphene Nanoribbons on a Kinked Au Surface: Revealing the Frontier Valence Band at the Brillouin Zone Center. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15474-15480.	1.5	5
64	Band Structure and Energy Level Alignment of Chiral Graphene Nanoribbons on Silver Surfaces. <i>Nanomaterials</i> , 2021, 11, 3303.	1.9	5
65	Metallic bands in chevron-type polyacenes. <i>RSC Advances</i> , 2020, 10, 33844-33850.	1.7	4
66	Electron refraction at lateral atomic interfaces. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	4
67	Effect of the valence state on the band magnetocrystalline anisotropy in two-dimensional rare-earth/noble-metal compounds. <i>Physical Review Research</i> , 2022, 4, .	1.3	4
68	Why a Good Catalyst Can Turn Out Detrimental to Good Polymerization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5066-5075.	1.5	3
69	Reduced Carbon Monoxide Saturation Coverage on Vicinal Palladium Surfaces: the Importance of the Adsorption Site. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9508-9515.	2.1	3
70	Nitrogen-doped graphene on a curved nickel surface. <i>Carbon</i> , 2021, 183, 711-720.	5.4	2
71	Catalytic Oxidation of CO on a Curved Pt(111) Surface: Simultaneous Ignition at All Facets through a Transient COâ€O Complex**. <i>Angewandte Chemie</i> , 2020, 132, 20212-20218.	1.6	1
72	Formation of the BiAg_2 surface alloy on lattice-mismatched interfaces. <i>Physical Review B</i> , 2016, 94, .		

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73	Decacyclene Trianhydride at Functional Interfaces: An Ideal Electron Acceptor Material for Organic Electronics. Journal of Physical Chemistry Letters, 2016, 7, 90-95.	2.1	0
74	Plasmonics in Atomically Thin Crystalline Silver. , 2019, , .		0