David Ecija

List of Publications by Citations

Source: https://exaly.com/author-pdf/6540465/david-ecija-publications-by-citations.pdf
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84 papers	3,334 citations	31 h-index	57 g-index
94 ext. papers	3,700 ext. citations	9.5 avg, IF	4.99 L-index

#	Paper	IF	Citations
84	Porphyrins at interfaces. *Nature Chemistry*, **2015**, 7, 105-20	17.6	472
83	Charge-transfer-induced structural rearrangements at both sides of organic/metal interfaces. *Nature Chemistry*, **2010**, 2, 374-9	17.6	244
82	A surface-anchored molecular four-level conductance switch based on single proton transfer. *Nature Nanotechnology*, **2011**, 7, 41-6	28.7	221
81	Boron nitride on Cu(111): an electronically corrugated monolayer. *Nano Letters*, **2012**, 12, 5821-8	11.5	168
80	Self-assembly of flexible one-dimensional coordination polymers on metal surfaces. *Journal of the American Chemical Society*, **2010**, 132, 6783-90	16.4	126
79	Surface-assisted dehydrogenative homocoupling of porphine molecules. *Journal of the American Chemical Society*, **2014**, 136, 9346-54	16.4	122
78	Quasicrystallinity expressed in two-dimensional coordination networks. *Nature Chemistry*, **2016**, 8, 657-62	17.6	112
77	Five-vertex Archimedean surface tessellation by lanthanide-directed molecular self-assembly. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6678-81	11.5	104
76	Assembly and manipulation of rotatable cerium porphyrinato sandwich complexes on a surface. *Angewandte Chemie - International Edition*, **2011**, 50, 3872-7	16.4	86
75	How surface bonding and repulsive interactions cause phase transformations: ordering of a prototype macrocyclic compound on Ag(111). *ACS Nano*, **2013**, 7, 3139-49	16.7	81
74	Hierarchic self-assembly of nanoporous chiral networks with conformationally flexible porphyrins. *ACS Nano*, **2010**, 4, 4936-42	16.7	69
73	Control of molecular organization and energy level alignment by an electronically nanopatterned boron nitride template. *ACS Nano*, **2014**, 8, 430-42	16.7	68
72	Molecular Conformation, Organizational Chirality, and Iron Metalation of meso-Tetramesitylporphyrins on Copper(100). *Journal of Physical Chemistry C*, **2008**, 112, 8988-8994	3.8	64
71	Investigating the molecule-substrate interaction of prototypic tetrapyrrole compounds: adsorption and self-metalation of porphine on Cu(111). *Journal of Chemical Physics*, **2013**, 138, 154710	3.9	62
70	Crossover site-selectivity in the adsorption of the fullerene derivative PCBM on Au(111). *Angewandte Chemie - International Edition*, **2007**, 46, 7874-7	16.4	62
69	Mechanisms of epitaxial growth and magnetic properties of [illegible]e4N(100) films on Cu(100). *Physical Review B*, **2004**, 70,	3.3	61
68	Thermal selectivity of intermolecular versus intramolecular reactions on surfaces. *Nature Communications*, **2016**, 7, 11002	17.4	58

67	Two-dimensional short-range disordered crystalline networks from flexible molecular modules. *ACS Nano*, **2012**, 6, 4258-65	16.7	57
66	An organic donor/acceptor lateral superlattice at the nanoscale. *Nano Letters*, **2007**, 7, 2602-7	11.5	56
65	Supramolecular assembly of interfacial nanoporous networks with simultaneous expression of metal-organic and organic-bonding motifs. *Chemistry - A European Journal*, **2013**, 19, 14143-50	4.8	53
64	Controlling coordination reactions and assembly on a Cu(111) supported boron nitride monolayer. *Journal of the American Chemical Society*, **2015**, 137, 2420-3	16.4	48
63	Orthogonal insertion of lanthanide and transition-metal atoms in metal-organic networks on surfaces. *Angewandte Chemie - International Edition*, **2015**, 54, 6163-7	16.4	46
62	Tailoring topological order and π-conjugation to engineer quasi-metallic polymers. *Nature Nanotechnology*, **2020**, 15, 437-443	28.7	46
61	Surface-Assisted Cyclodehydrogenation; Break the Symmetry, Enhance the Selectivity. *Chemistry - A European Journal*, **2015**, 21, 12285-90	4.8	45
60	Lanthanide-Directed Assembly of Interfacial Coordination Architectures-From Complex Networks to Functional Nanosystems. *Accounts of Chemical Research*, **2018**, 51, 365-375	24.3	43
59	Selective supramolecular fullerene-porphyrin interactions and switching in surface-confined C60-Ce(TPP)2 dyads. *Nano Letters*, **2012**, 12, 4077-83	11.5	42
58	Controlled manipulation of gadolinium-coordinated supramolecules by low-temperature scanning tunneling microscopy. *Nano Letters*, **2014**, 14, 1369-73	11.5	37
57	Self-terminating protocol for an interfacial complexation reaction in vacuo by metal-organic chemical vapor deposition. *ACS Nano*, **2013**, 7, 4520-6	16.7	37
56	Controlled interaction of surface quantum-well electronic states. *Nano Letters*, **2013**, 13, 6130-5	11.5	36
55	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. *Small*, **2015**, 11, 6358-64	11	34
54	On-Surface Synthesis of Ethynylene-Bridged Anthracene Polymers. *Angewandte Chemie - International Edition*, **2019**, 58, 6559-6563	16.4	31
53	Five-Vertex Lanthanide Coordination on Surfaces: A Route to Sophisticated Nanoarchitectures and Tessellations. *Journal of Physical Chemistry C*, **2014**, 118, 12908-12915	3.8	30
52	Electronic structure of ultrathin γ′-Fe4N (100) films epitaxially grown on Cu(100). *Physical Review B* , **2007**, 75,	3.3	28
51	Supramolecular Spangling, Crocheting, and Knitting of Functionalized Pyrene Molecules on a Silver Surface. *ACS Nano*, **2016**, 10, 7665-74	16.7	28
50	Magnetisation reversal of epitaxial films of γ′-Fe4N on Cu(1 0 0). *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 321-324	2.8	27

49	Self-assembled magnetic nitride dots on Cu(100) surfaces. *Physical Review B*, **2004**, 69,	3.3	24
48	Tunable lanthanide-directed metallosupramolecular networks by exploiting coordinative flexibility through ligand stoichiometry. *Chemical Communications*, **2016**, 52, 1618-21	5.8	23
47	On-Surface Synthesis of Gold Porphyrin Derivatives via a Cascade of Chemical Interactions: Planarization, Self-Metalation, and Intermolecular Coupling. *Chemistry of Materials*, **2019**, 31, 3248-3256	9.6	22
46	Competing Interactions in Surface Reticulation with a Prochiral Dicarbonitrile Linker. *Journal of Physical Chemistry C*, **2013**, 117, 12858-12863	3.8	22
45	Role of Deprotonation and Cu Adatom Migration in Determining the Reaction Pathways of Oxalic Acid Adsorption on Cu(111). *Journal of Physical Chemistry C*, **2011**, 115, 21177-21182	3.8	21
44	Two-level spatial modulation of vibronic conductance in conjugated oligophenylenes on boron nitride. *Nano Letters*, **2015**, 15, 2242-8	11.5	19
43	Dysprosium-carboxylate nanomeshes with tunable cavity size and assembly motif through ionic interactions. *Chemical Communications*, **2016**, 52, 11227-30	5.8	19
42	Symmetry breaking effects in epitaxial magnetic thin films: Nonsymmetric reversal and butterfly remanence behavior. *Physical Review B*, **2008**, 77,	3.3	19
41	Efficient Lanthanide Catalyzed Debromination and Oligomeric Length-Controlled Ullmann Coupling of Aryl Halides. *Journal of Physical Chemistry C*, **2017**, 121, 8033-8041	3.8	18
40	Long-Range Orientational Self-Assembly, Spatially Controlled Deprotonation, and Off-Centered Metalation of an Expanded Porphyrin. *Journal of the American Chemical Society*, **2017**, 139, 14129-14136	16.4	18
39	Restoring the Co magnetic moments at interfacial Co-porphyrin arrays by site-selective uptake of iron. *ACS Nano*, **2015**, 9, 3605-16	16.7	17
38	Dynamics and thermal stability of surface-confined metal–organic chains. *Surface Science*, **2016**, 643, 91-97	1.8	17
37	Subphthalocyanine-based nanocrystals. *Chemical Communications*, **2011**, 47, 9986-8	5.8	17
36	Growth and Structure of Self-assembled Monolayers of a TTF Derivative on Au(111). *Journal of Physical Chemistry C*, **2010**, 114, 6503-6510	3.8	16
35	Templated growth of an ordered array of organic bidimensional mesopores. *Applied Physics Letters*, **2008**, 92, 223117	3.4	12
34	Tailoring π-conjugation and vibrational modes to steer on-surface synthesis of pentalene-bridged ladder polymers. *Nature Communications*, **2020**, 11, 4567	17.4	12
33	Unravelling the Open-Shell Character of Peripentacene on Au(111). *Journal of Physical Chemistry Letters*, **2021**, 12, 330-336	6.4	12
32	Tuning Intermolecular Charge Transfer in Donor–Acceptor Two-Dimensional Crystals on Metal Surfaces. *Journal of Physical Chemistry C*, **2017**, 121, 23505-23510	3.8	11

31	An STM study of molecular exchange processes in organic thin film growth. *Chemical Communications*, **2014**, 50, 9954-7	5.8	9
30	Surface assembly of porphyrin nanorods with one-dimensional zinc–oxygen spinal cords. *CrystEngComm*, **2011**, 13, 5591	3.3	8
29	The adsorption of atomic N and the growth of copper nitrides on Cu(100). *Surface Science*, **2009**, 603, 2283-2289	1.8	8
28	On-Surface Synthesis of Ethynylene-Bridged Anthracene Polymers. *Angewandte Chemie*, **2019**, 131, 6631-6635	3.6	8
27	Diradical Organic One-Dimensional Polymers Synthesized on a Metallic Surface. *Angewandte Chemie - International Edition*, **2020**, 59, 17594-17599	16.4	7
26	Orthogonal Insertion of Lanthanide and Transition-Metal Atoms in Metal–Organic Networks on Surfaces. *Angewandte Chemie*, **2015**, 127, 6261-6265	3.6	7
25	Tetracene confinement in L-methionine gratings on the Ag(111) surface. *Surface Science*, **2016**, 643, 87-90	2.08	6
24	Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propiolonitrile) linker on Ag(111). *Beilstein Journal of Nanotechnology*, **2015**, 6, 327-35	3	6
23	Metal-Coordination Network vs Charge Transfer Complex: The Importance of the Surface. *Journal of Physical Chemistry C*, **2020**, 124, 7922-7929	3.8	5
22	Diradical Organic One-Dimensional Polymers Synthesized on a Metallic Surface. *Angewandte Chemie*, **2020**, 132, 17747-17752	3.6	5
21	A combined LEIS/STM study of two types of surface reconstruction of magnetic Fe4N layers. *Nuclear Instruments & Methods in Physics Research B*, **2004**, 219-220, 593-598	1.2	5
20	On-surface synthesis of doubly-linked one-dimensional pentacene ladder polymers. *Chemical Communications*, **2020**, 56, 15309-15312	5.8	5
19	A guide to lifting aperiodic structures. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2016**, 231, 507-515	1	4
18	Dysprosium-directed metallosupramolecular network on graphene/Ir(111). *Chemical Communications*, **2021**, 57, 1380-1383	5.8	4
17	Preservation of electronic properties of double-decker complexes on metallic supports. *Physical Chemistry Chemical Physics*, **2017**, 19, 8282-8287	3.6	3
16	In-Situ Growth of Gadolinium Phthalocyaninato Sandwich Complexes on the Ag(111) Surface. *ChemPhysChem*, **2019**, 20, 2301-2304	3.2	3
15	Collective concerted motion in a molecular adlayer visualized through the surface diffusion of isolated vacancies. *Journal of Chemical Physics*, **2016**, 145, 154706	3.9	2
14	Tuning the Magnetic Anisotropy of Lanthanides on a Metal Substrate by Metal-Organic Coordination. *Small*, **2021**, 17, e2102753	11	2

13	Cumulene-like bridged indeno[1,2-b]fluorene π-conjugated polymers synthesized on metal surfaces. *Chemical Communications*, **2021**, 57, 7545-7548	5.8	2
12	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. *Angewandte Chemie - International Edition*, **2021**, 60, 17887-17892	16.4	2
11	Tracking the Light-Induced Excited-State Dynamics and Structural Configurations of an Extraordinarily Long-Lived Metastable State at Room Temperature. *Chemistry - A European Journal*, **2020**, 26, 10801-10810	4.8	1
10	On-surface synthesis of organocopper metallacycles through activation of inner diacetylene moieties. *Chemical Science*, **2021**, 12, 12806-12811	9.4	1
9	A Trapezoidal Octacyanoquinoid Acceptor Forms Solution and Surface Products by Antiparallel Shape Fitting with Conformational Dipole Momentum Switch. *Angewandte Chemie*, **2021**, 133, 18031-18036	3.6	1
8	Atomic Scale Control and Visualization of Topological Quantum Phase Transition in π-Conjugated Polymers Driven by Their Length. *Advanced Materials*, **2021**, 33, e2104495	24	1
7	Engineering Periodic Dinuclear Lanthanide-Directed Networks Featuring Tunable Energy Level Alignment and Magnetic Anisotropy by Metal Exchange.. *Small*, **2022**, e2107073	11	1
6	Lanthanide-porphyrin species as Kondo irreversible switches through tip-induced coordination chemistry. *Nanoscale*, **2021**, 13, 8600-8606	7.7	0
5	Surface-Assisted Synthesis of N - Containing π-Conjugated Polymers. *Advanced Science*,2200407	13.6	0
4	Innenrücktitelbild: On-Surface Synthesis of Ethynylene-Bridged Anthracene Polymers (Angew. Chem. 20/2019). *Angewandte Chemie*, **2019**, 131, 6853-6853	3.6	
3	Lanthanide-Based 2D Coordination Networks **2018**, 84-90		
2	Atomic Scale Control and Visualization of Topological Quantum Phase Transition in π-Conjugated Polymers Driven by Their Length (Adv. Mater. 44/2021). *Advanced Materials*, **2021**, 33, 2170349	24	
1	Temperature Control of Reaction Pathways **2018**, 472-477		