JosÃ© M Gallego

List of Publications by Year
in descending order

99 papers	3,468 citations	159585 30 h-index	144013 57 g-index
104 all docs	104 docs citations	104 times ranked	3609 citing authors

#	Article	IF	Citations
1	Defect-Induced Ï€-Magnetism into Non-Benzenoid Nanographenes. Nanomaterials, 2022, 12, 224.	4.1	7
2	Electrically Tunable Reactivity of Substrateâ€Supported Cobalt Oxide Nanocrystals. Small, 2022, 18, e2106407.	10.0	5
3	Synthesis and Characterization of <i>peri</i>â€Heptacene on a Metallic Surface. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
4	Synthesis and Characterization of <i>peri</i>â€Heptacene on a Metallic Surface. Angewandte Chemie, 2022, 134, .	2.0	5
5	Engineering Periodic Dinuclear Lanthanideâ€Directed Networks Featuring Tunable Energy Level Alignment and Magnetic Anisotropy by Metal Exchange. Small, 2022, 18, e2107073.	10.0	8
6	Innentitelbild: Synthesis and Characterization of <i>peri</i>â€Heptacene on a Metallic Surface (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	0
7	Surfaceâ€Assisted Synthesis of N<i>â€</i>Containing <i>Ï€</i>â€Conjugated Polymers. Advanced Science, 2022, 9, .	11.2	7
8	Interplay between Ï€-Conjugation and Exchange Magnetism in One-Dimensional Porphyrinoid Polymers. Journal of the American Chemical Society, 2022, 144, 12725-12731.	13.7	15
9	Unravelling the Open-Shell Character of Peripentacene on Au(111). Journal of Physical Chemistry Letters, 2021, 12, 330-336.	4.6	36
10	Cumulene-like bridged indeno[1,2-<i>b</i>]fluorene Ï€-conjugated polymers synthesized on metal surfaces. Chemical Communications, 2021, 57, 7545-7548.	4.1	9
11	Lanthanide-porphyrin species as Kondo irreversible switches through tip-induced coordination chemistry. Nanoscale, 2021, 13, 8600-8606.	5.6	4
12	Dysprosium-directed metallosupramolecular network on graphene/Ir(111). Chemical Communications, 2021, 57, 1380-1383.	4.1	12
13	Tuning the Magnetic Anisotropy of Lanthanides on a Metal Substrate by Metalâ€“Organic Coordination. Small, 2021, 17, e2102753.	10.0	8
14	Onâ€Surface Synthesis of a Dicationic Diazahexabenzocoronene Derivative on the Au(111) Surface. Angewandte Chemie - International Edition, 2021, 60, 25551-25556.	13.8	12
15	Metal-Coordination Network vs Charge Transfer Complex: The Importance of the Surface. Journal of Physical Chemistry C, 2020, 124, 7922-7929.	3.1	5
16	Discrete Electronic Subbands due to Bragg Scattering at Molecular Edges. Physical Review Letters, 2019, 122, 176801.	7.8	2
17	A Comparative Computational Study of the Adsorption of TCNQ and F4-TCNQ on the Coinage Metal Surfaces. ACS Omega, 2019, 4, 16906-16915.	3.5	9
18	Preservation of electronic properties of double-decker complexes on metallic supports. Physical Chemistry Chemical Physics, 2017, 19, 8282-8287.	2.8	7

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19	Electronic, structural and chemical effects of charge-transfer at organic/inorganic interfaces. Surface Science Reports, 2017, 72, 105-145.	7.2	161
20	Efficient Lanthanide Catalyzed Debromination and Oligomeric Length-Controlled Ullmann Coupling of Aryl Halides. Journal of Physical Chemistry C, 2017, 121, 8033-8041.	3.1	22
21	Tuning Intermolecular Charge Transfer in Donorâ€"Acceptor Two-Dimensional Crystals on Metal Surfaces. Journal of Physical Chemistry C, 2017, 121, 23505-23510.	3.1	11
22	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.	13.7	23
23	Thermal Ligand Desorption in CdSe Quantum Dots by Correlated XPS and STM. Particle and Particle Systems Characterization, 2016, 33, 358-362.	2.3	5
24	Shell or Dots âˆ' Precursor Controlled Morphology of Auâ€"Se Deposits on CdSe Nanoparticles. Chemistry of Materials, 2016, 28, 2704-2714.	6.7	8
25	Dysprosium-carboxylate nanomeshes with tunable cavity size and assembly motif through ionic interactions. Chemical Communications, 2016, 52, 11227-11230.	4.1	26
26	Thermal Transition from a Disordered, 2D Network to a Regular, 1D, Fe(II)â€"DCNQI Coordination Network. Journal of Physical Chemistry C, 2016, 120, 16712-16721.	3.1	4
27	Thermal selectivity of intermolecular versus intramolecular reactions on surfaces. Nature Communications, 2016, 7, 11002.	12.8	66
28	Collective concerted motion in a molecular adlayer visualized through the surface diffusion of isolated vacancies. Journal of Chemical Physics, 2016, 145, 154706.	3.0	2
29	Surfaceâ€Supported Robust 2D Lanthanideâ€Carboxylate Coordination Networks. Small, 2015, 11, 6358-6364.	10.0	43
30	Temperature-controlled metal/ligand stoichiometric ratio in Ag-TCNE coordination networks. Journal of Chemical Physics, 2015, 142, 101930.	3.0	28
31	Protective Ligand Shells for Luminescent SiO₂-Coated Alloyed Semiconductor Nanocrystals. ACS Applied Materials & Interfaces, 2015, 7, 6935-6945.	8.0	25
32	Cl-capped CdSe nanocrystals via in situ generation of chloride anions. Nanoscale, 2014, 6, 6812-6818.	5.6	13
33	Charge transfer-assisted self-limited decyanation reaction of TCNQ-type electron acceptors on Cu(100). Chemical Communications, 2014, 50, 833-835.	4.1	16
34	Charge-Transfer-Induced Isomerization of DCNQI on Cu(100). Journal of Physical Chemistry C, 2014, 118, 27388-27392.	3.1	3
35	Effect of Chloride Ligands on CdSe Nanocrystals by Cyclic Voltammetry and X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 4998-5004.	3.1	24
36	An STM study of molecular exchange processes in organic thin film growth. Chemical Communications, 2014, 50, 9954-9957.	4.1	9

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37	Shape Evolution of CdSe Nanoparticles Controlled by Halogen Compounds. Chemistry of Materials, 2014, 26, 1813-1821.	6.7	65
38	Interfacing Quantum Dots and Graphitic Surfaces with Chlorine Atomic Ligands. ACS Nano, 2013, 7, 2559-2565.	14.6	22
39	Role of the Anchored Groups in the Bonding and Self-Organization of Macrocycles: Carboxylic versus Pyrrole Groups. Journal of Physical Chemistry C, 2013, 117, 7661-7668.	3.1	8
40	Spatiotemporal evolution of reaction fronts trigger by tunneling electrons. Journal of Physics: Conference Series, 2012, 388, 052070.	0.4	0
41	Formation of a surface covalent organic framework based on polyester condensation. Chemical Communications, 2012, 48, 6779.	4.1	82
42	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.	3.1	22
43	Subphthalocyanine-based nanocrystals. Chemical Communications, 2011, 47, 9986.	4.1	19
44	Formation of Self-Assembled Chains of Tetrathiafulvalene on a Cu(100) Surface. Journal of Physical Chemistry A, 2011, 115, 13080-13087.	2.5	6
45	Surface assembly of porphyrin nanorods with one-dimensional zincâ€“oxygen spinal cords. CrystEngComm, 2011, 13, 5591.	2.6	8
46	Molecular Selfâ€Assembly at Solid Surfaces. Advanced Materials, 2011, 23, 5148-5176.	21.0	192
47	Charge-transfer-induced structural rearrangements at both sides of organic/metal interfaces. Nature Chemistry, 2010, 2, 374-379.	13.6	273
48	Growth and Structure of Self-assembled Monolayers of a TTF Derivative on Au(111). Journal of Physical Chemistry C, 2010, 114, 6503-6510.	3.1	16
49	The adsorption of atomic N and the growth of copper nitrides on Cu(1 0 0). Surface Science, 2009, 603, 2283-2289.	1.9	10
50	Ordering Fullerenes at the Nanometer Scale on Solid Surfaces. Chemical Reviews, 2009, 109, 2081-2091.	47.7	113
51	Molecular Conformation, Organizational Chirality, and Iron Metalation of meso-Tetramesitylporphyrins on Copper(100). Journal of Physical Chemistry C, 2008, 112, 8988-8994.	3.1	64
52	Templated growth of an ordered array of organic bidimensional mesopores. Applied Physics Letters, 2008, 92, .	3.3	12
53	Symmetry breaking effects in epitaxial magnetic thin films: Nonsymmetric reversal and butterfly remanence behavior. Physical Review B, 2008, 77, .	3.2	20
54	Electronic structure of ultrathinÎ³â€²â€‰Fe4N(100) films epitaxially grown on Cu(100). Physical Review B, 2007, 75, .	3.2	30

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55	An Organic Donor/Acceptor Lateral Superlattice at the Nanoscale. Nano Letters, 2007, 7, 2602-2607.	9.1	59
56	Crossover Siteâ€Selectivity in the Adsorption of the Fullerene Derivative PCBM on Au(111). Angewandte Chemie - International Edition, 2007, 46, 7874-7877.	13.8	70
57	Magnetisation reversal of epitaxial films of Î³â€²-Fe4N on Cu(100). Journal of Magnetism and Magnetic Materials, 2007, 316, 321-324.	2.3	29
58	1D Lattice Distortions as the Origin of the(2Ã—2)p4gmReconstruction inÎ³â€²âˆ’Fe4N(100): A Magnetism-Induced Surface Reconstruction. Physical Review Letters, 2005, 95, 136102.	7.8	31
59	Self-assembled magnetic nitride dots on Cu(100) surfaces. Physical Review B, 2004, 69, .	3.2	25
60	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.	1.4	6
61	Mechanisms of epitaxial growth and magnetic properties ofÎ³â€²âˆ’Fe4N(100)films onCu(100). Physical Review B, 2004, 70, .	3.2	65
62	Relating Surface Structure and Growth Mode of Î³â€²Fe4N. Surface Review and Letters, 2003, 10, 405-411.	1.1	7
63	Metallic nanoislands: preferential nucleation, intermixing and electronic states. Journal of Physics Condensed Matter, 2002, 14, 4187-4198.	1.8	1
64	Comparison between surface and bulk hysteresis loops in amorphous wires. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 1435-1438.	2.3	5
65	Surfactant effect of Pb in the growth of Fe on Cu(111):â€ƒA kinetic effect. Physical Review B, 2001, 65, .	3.2	14
66	Bimodal island-size distributions in submonolayer growth. Physical Review B, 2001, 64, .	3.2	20
67	Influence of surfactants on atomic diffusion. Surface Science, 2000, 459, 135-148.	1.9	36
68	A scanning tunnelling microscopy view of the surfactant-assisted growth of iron on Cu(111). Surface Science, 2000, 462, 45-54.	1.9	19
69	Epitaxial growth of metals with high Ehrlich-Schwoebel barriers and the effect of surfactants. Applied Physics A: Materials Science and Processing, 1999, 69, 553-557.	2.3	25
70	Fe thin-film growth on Au(100): A self-surfactant effect and its limitations. Physical Review B, 1999, 59, 15966-15974.	3.2	58
71	Initial growth of Fe on Au(100): preferential nucleation, place exchange and enhanced mass transport. Applied Physics A: Materials Science and Processing, 1998, 66, S1117-S1120.	2.3	12
72	Superlattice effect in the transport properties of Ni/Co multilayers. Journal of Magnetism and Magnetic Materials, 1998, 183, 261-271.	2.3	7

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73	Self-surfactant effect on Fe/Au(100):. Surface Science, 1998, 415, 106-121.	1.9	56
74	Atomistic Mechanism of Surfactant-Assisted Epitaxial Growth. Physical Review Letters, 1998, 81, 850-853.	7.8	123
75	Magnetization processes in ultrathin films with high magnetization and perpendicular anisotropy. Journal of Magnetism and Magnetic Materials, 1996, 156, 145-147.	2.3	1
76	Oscillations of the transport properties in Ni/Co superlattices. Journal of Magnetism and Magnetic Materials, 1996, 156, 397-398.	2.3	3
77	Electron localization in Co/Ni superlattices. Physical Review B, 1996, 54, R5291-R5294.	3.2	11
78	Increased exchange anisotropy due to disorder at permalloy/CoO interfaces. Journal of Applied Physics, 1995, 78, 1887-1891.	2.5	87
79	Oscillatory Behavior of the Transport Properties in Ni/Co Multilayers: A Superlattice Effect. Physical Review Letters, 1995, 74, 4515-4518.	7.8	46
80	Growth and structural characterization of Ni/Co superlattices. Physical Review B, 1995, 51, 2550-2555.	3.2	20
81	Large magnetoresistance with low saturation fields in magnetic/magnetic superlattices. Applied Physics Letters, 1994, 64, 2590-2592.	3.3	31
82	A structural characterization of the buffer layer for growth of magnetically coupled Co/Cu superlattices. Journal of Magnetism and Magnetic Materials, 1993, 121, 20-23.	2.3	1
83	Metallization-induced spontaneous silicide formation at room temperature: The Fe/Si case. Physical Review B, 1992, 46, 13339-13344.	3.2	90
84	Growth of epitaxial iron disilicide on Si(100). Surface Science, 1992, 269-270, 1016-1021.	1.9	13
85	The growth and characterization of iron silicides on Si(100). Surface Science, 1991, 251-252, 59-63.	1.9	28
86	The Fe/Si(100) interface. Journal of Applied Physics, 1991, 69, 1377-1383.	2.5	90
87	Influence of the growth conditions on the magnetic properties of fcc cobalt films: from monolayers to superlattices. Journal of Magnetism and Magnetic Materials, 1991, 93, 1-9.	2.3	181
88	Neutron-diffraction study on the field dependent magnetic ordering in Coâ€"Cu superlattices. Journal of Magnetism and Magnetic Materials, 1991, 93, 89-94.	2.3	7
89	Surface characterization of epitaxial, semiconducting, FeSi2grown on Si(100). Applied Physics Letters, 1991, 59, 99-101.	3.3	45
90	Epitaxial growth of metals: from monolayer to superlattice. Vacuum, 1990, 41, 482-484.	3.5	6

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91	Growth of cobalt and cobalt disilicide on Si(100). Surface Science, 1990, 239, 203-212.	1.9	49
92	On the Magnetic Properties of Ultrathin Epitaxial Cobalt Films and Superlattices. NATO ASI Series Series B: Physics, 1990, , 483-499.	0.2	1
93	Antiferromagnetic ordering in Co-Cu single-crystal superlattices. Physical Review B, 1989, 39, 9726-9729.	3.2	145
94	Characterization of the growth processes and magnetic properties of thin ferromagnetic cobalt films on Cu(100). Surface Science, 1989, 211-212, 732-739.	1.9	82
95	Epitaxial growth of metals: Experimental results and Monte Carlo simulation. Surface Science, 1989, 211-212, 797-803.	1.9	22
96	Magnetization Processes Analysis in Co-Cu Superlattices. Materials Research Society Symposia Proceedings, 1989, 151, 117.	0.1	3
97	Monte Carlo simulation of the growth of a Cu(100) surface from its own vapor; island nucleation and step propagation growth modes. Journal of Crystal Growth, 1988, 91, 481-489.	1.5	17
98	Quantitative evaluation of the perfection of an epitaxial film grown by vapor deposition as determined by thermal energy atom scattering. Journal of Crystal Growth, 1988, 88, 442-454.	1.5	82
99	The surface morphology of a growing crystal studied by thermal energy atom scattering (TEAS). Surface Science, 1987, 189-190, 1062-1068.	1.9	120