Jos M Gallego

List of Publications by Year in Descending Order

96 papers	3,066 citations	28 h-index	54 g-index
104 ext. papers	3,231 ext. citations	6.2 avg, IF	4.57 L-index

#	Paper	IF	Citations
96	Electrically Tunable Reactivity of Substrate-Supported Cobalt Oxide Nanocrystals.. *Small*, **2022**, e2106407	11	2
95	Engineering Periodic Dinuclear Lanthanide-Directed Networks Featuring Tunable Energy Level Alignment and Magnetic Anisotropy by Metal Exchange.. *Small*, **2022**, e2107073	11	1
94	Tuning the Magnetic Anisotropy of Lanthanides on a Metal Substrate by Metal-Organic Coordination. *Small*, **2021**, 17, e2102753	11	2
93	Unravelling the Open-Shell Character of Peripentacene on Au(111). *Journal of Physical Chemistry Letters*, **2021**, 12, 330-336	6.4	12
92	Cumulene-like bridged indeno[1,2-b]fluorene π-conjugated polymers synthesized on metal surfaces. *Chemical Communications*, **2021**, 57, 7545-7548	5.8	2
91	Lanthanide-porphyrin species as Kondo irreversible switches through tip-induced coordination chemistry. *Nanoscale*, **2021**, 13, 8600-8606	7.7	0
90	Dysprosium-directed metallosupramolecular network on graphene/Ir(111). *Chemical Communications*, **2021**, 57, 1380-1383	5.8	4
89	On-Surface Synthesis of a Dicationic Diazahexabenzocoronene Derivative on the Au(111) Surface. *Angewandte Chemie - International Edition*, **2021**, 60, 25551-25556	16.4	2
88	Metal-Coordination Network vs Charge Transfer Complex: The Importance of the Surface. *Journal of Physical Chemistry C*, **2020**, 124, 7922-7929	3.8	5
87	Discrete Electronic Subbands due to Bragg Scattering at Molecular Edges. *Physical Review Letters*, **2019**, 122, 176801	7.4	1
86	A Comparative Computational Study of the Adsorption of TCNQ and F4-TCNQ on the Coinage Metal Surfaces. *ACS Omega*, **2019**, 4, 16906-16915	3.9	4
85	Preservation of electronic properties of double-decker complexes on metallic supports. *Physical Chemistry Chemical Physics*, **2017**, 19, 8282-8287	3.6	3
84	Electronic, structural and chemical effects of charge-transfer at organic/inorganic interfaces. *Surface Science Reports*, **2017**, 72, 105-145	12.9	110
83	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
82	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
81	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
80	Dysprosium-carboxylate nanomeshes with tunable cavity size and assembly motif through ionic interactions. *Chemical Communications*, **2016**, 52, 11227-30	5.8	19

79	Thermal Transition from a Disordered, 2D Network to a Regular, 1D, Fe(II)DCNQI Coordination Network. *Journal of Physical Chemistry C*, **2016**, 120, 16712-16721	3.8	3
78	Thermal selectivity of intermolecular versus intramolecular reactions on surfaces. *Nature Communications*, **2016**, 7, 11002	17.4	58
77	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
76	Thermal Ligand Desorption in CdSe Quantum Dots by Correlated XPS and STM. *Particle and Particle Systems Characterization*, **2016**, 33, 358-362	3.1	3
75	Shell or Dots Precursor Controlled Morphology of AuSe Deposits on CdSe Nanoparticles. *Chemistry of Materials*, **2016**, 28, 2704-2714	9.6	6
74	Protective ligand shells for luminescent SiOcoated alloyed semiconductor nanocrystals. *ACS Applied Materials & Interfaces*, **2015**, 7, 6935-45	9.5	20
73	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. *Small*, **2015**, 11, 6358-64	11	34
72	Temperature-controlled metal/ligand stoichiometric ratio in Ag-TCNE coordination networks. *Journal of Chemical Physics*, **2015**, 142, 101930	3.9	26
71	Charge transfer-assisted self-limited decyanation reaction of TCNQ-type electron acceptors on Cu(100). *Chemical Communications*, **2014**, 50, 833-5	5.8	16
70	Charge-Transfer-Induced Isomerization of DCNQI on Cu(100). *Journal of Physical Chemistry C*, **2014**, 118, 27388-27392	3.8	3
69	Effect of Chloride Ligands on CdSe Nanocrystals by Cyclic Voltammetry and X-ray Photoelectron Spectroscopy. *Journal of Physical Chemistry C*, **2014**, 118, 4998-5004	3.8	22
68	An STM study of molecular exchange processes in organic thin film growth. *Chemical Communications*, **2014**, 50, 9954-7	5.8	9
67	Shape Evolution of CdSe Nanoparticles Controlled by Halogen Compounds. *Chemistry of Materials*, **2014**, 26, 1813-1821	9.6	59
66	Cl-capped CdSe nanocrystals via in situ generation of chloride anions. *Nanoscale*, **2014**, 6, 6812-8	7.7	12
65	The Growth of Organic Nanomaterials by Molecular Self-Assembly at Solid Surfaces **2013**, 421-446		1
64	Interfacing quantum dots and graphitic surfaces with chlorine atomic ligands. *ACS Nano*, **2013**, 7, 2559-65	16.7	22
63	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	3.8	8
62	Formation of a surface covalent organic framework based on polyester condensation. *Chemical Communications*, **2012**, 48, 6779-81	5.8	78

61	Supramolecular Chemistry of Fullerenes on Solid Surfaces **2012**, 237-261		0
60	Spatiotemporal evolution of reaction fronts trigger by tunneling electrons. *Journal of Physics: Conference Series*, **2012**, 388, 052070	0.3	
59	Subphthalocyanine-based nanocrystals. *Chemical Communications*, **2011**, 47, 9986-8	5.8	17
58	Formation of self-assembled chains of tetrathiafulvalene on a Cu(100) surface. *Journal of Physical Chemistry A*, **2011**, 115, 13080-7	2.8	5
57	Surface assembly of porphyrin nanorods with one-dimensional zinc□xygen spinal cords. *CrystEngComm*, **2011**, 13, 5591	3.3	8
56	Molecular self-assembly at solid surfaces. *Advanced Materials*, **2011**, 23, 5148-76	24	167
55	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
54	Charge-transfer-induced structural rearrangements at both sides of organic/metal interfaces. *Nature Chemistry*, **2010**, 2, 374-9	17.6	244
53	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
52	The adsorption of atomic N and the growth of copper nitrides on Cu(100). *Surface Science*, **2009**, 603, 2283-2289	1.8	8
51	Ordering fullerenes at the nanometer scale on solid surfaces. *Chemical Reviews*, **2009**, 109, 2081-91	68.1	105
50	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
49	Templated growth of an ordered array of organic bidimensional mesopores. *Applied Physics Letters*, **2008**, 92, 223117	3.4	12
48	Symmetry breaking effects in epitaxial magnetic thin films: Nonsymmetric reversal and butterfly remanence behavior. *Physical Review B*, **2008**, 77,	3.3	19
47	An organic donor/acceptor lateral superlattice at the nanoscale. *Nano Letters*, **2007**, 7, 2602-7	11.5	56
46	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
45	Magnetisation reversal of epitaxial films of □-Fe4N on Cu(1 0 0). *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 321-324	2.8	27
44	Electronic structure of ultrathin □e4N (100) films epitaxially grown on Cu(100). *Physical Review B* , **2007**, 75,	3.3	28

43	1D lattice distortions as the origin of the (2 x 2)p4gm reconstruction in gammaSFe4N(100): a magnetism-induced surface reconstruction. *Physical Review Letters*, **2005**, 95, 136102	7.4	26
42	Self-assembled magnetic nitride dots on Cu(100) surfaces. *Physical Review B*, **2004**, 69,	3.3	24
41	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
40	Mechanisms of epitaxial growth and magnetic properties of Fe4N(100) films on Cu(100). *Physical Review B*, **2004**, 70,	3.3	61
39	Relating Surface Structure and Growth Mode of Fe4N. *Surface Review and Letters*, **2003**, 10, 405-411	1.1	6
38	Comparison between surface and bulk hysteresis loops in amorphous wires. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 1435-1438	2.8	5
37	Metallic nanoislands: preferential nucleation, intermixing and electronic states. *Journal of Physics Condensed Matter*, **2002**, 14, 4187-4198	1.8	1
36	Surfactant effect of Pb in the growth of Fe on Cu(111): A kinetic effect. *Physical Review B*, **2001**, 65,	3.3	14
35	Bimodal island-size distributions in submonolayer growth. *Physical Review B*, **2001**, 64,	3.3	19
34	Influence of surfactants on atomic diffusion. *Surface Science*, **2000**, 459, 135-148	1.8	35
33	A scanning tunnelling microscopy view of the surfactant-assisted growth of iron on Cu(111). *Surface Science*, **2000**, 462, 45-54	1.8	18
32	Epitaxial growth of metals with high EhrlichSchwoebel barriers and the effect of surfactants. *Applied Physics A: Materials Science and Processing*, **1999**, 69, 553-557	2.6	21
31	Fe thin-film growth on Au(100): A self-surfactant effect and its limitations. *Physical Review B*, **1999**, 59, 15966-15974	3.3	58
30	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	2.6	12
29	Superlattice effect in the transport properties of Ni/Co multilayers. *Journal of Magnetism and Magnetic Materials*, **1998**, 183, 261-271	2.8	6
28	Self-surfactant effect on Fe/Au(100):. *Surface Science*, **1998**, 415, 106-121	1.8	54
27	Atomistic Mechanism of Surfactant-Assisted Epitaxial Growth. *Physical Review Letters*, **1998**, 81, 850-853	7.4	116
26	Magnetization processes in ultrathin films with high magnetization and perpendicular anisotropy. *Journal of Magnetism and Magnetic Materials*, **1996**, 156, 145-147	2.8	1

25	Oscillations of the transport properties in Ni/Co superlattices. *Journal of Magnetism and Magnetic Materials*, **1996**, 156, 397-398	2.8	2
24	Electron localization in Co/Ni superlattices. *Physical Review B*, **1996**, 54, R5291-R5294	3.3	10
23	Increased exchange anisotropy due to disorder at permalloy/CoO interfaces. *Journal of Applied Physics*, **1995**, 78, 1887-1891	2.5	83
22	Oscillatory behavior of the transport properties in Ni/Co multilayers: A superlattice effect. *Physical Review Letters*, **1995**, 74, 4515-4518	7.4	40
21	Growth and structural characterization of Ni/Co superlattices. *Physical Review B*, **1995**, 51, 2550-2555	3.3	19
20	Large magnetoresistance with low saturation fields in magnetic/magnetic superlattices. *Applied Physics Letters*, **1994**, 64, 2590-2592	3.4	26
19	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	2.8	
18	Metallization-induced spontaneous silicide formation at room temperature: The Fe/Si case. *Physical Review B*, **1992**, 46, 13339-13344	3.3	86
17	Growth of epitaxial iron disilicide on Si(100). *Surface Science*, **1992**, 269-270, 1016-1021	1.8	12
16	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	2.8	174
15	Neutron-diffraction study on the field dependent magnetic ordering in Co□u superlattices. *Journal of Magnetism and Magnetic Materials*, **1991**, 93, 89-94	2.8	6
14	Surface characterization of epitaxial, semiconducting, FeSi2 grown on Si(100). *Applied Physics Letters*, **1991**, 59, 99-101	3.4	41
13	The growth and characterization of iron silicides on Si(100). *Surface Science*, **1991**, 251-252, 59-63	1.8	26
12	The Fe/Si(100) interface. *Journal of Applied Physics*, **1991**, 69, 1377-1383	2.5	86
11	Epitaxial growth of metals: from monolayer to superlattice. *Vacuum*, **1990**, 41, 482-484	3.7	6
10	Growth of cobalt and cobalt disilicide on Si(100). *Surface Science*, **1990**, 239, 203-212	1.8	48
9	On the Magnetic Properties of Ultrathin Epitaxial Cobalt Films and Superlattices. *NATO ASI Series Series B: Physics*, **1990**, 483-499		1
8	Antiferromagnetic ordering in Co-Cu single-crystal superlattices. *Physical Review B*, **1989**, 39, 9726-9729	3.3	139

7	Characterization of the growth processes and magnetic properties of thin ferromagnetic cobalt films on Cu(100). *Surface Science*, **1989**, 211-212, 732-739	1.8	81
6	Epitaxial growth of metals: Experimental results and Monte Carlo simulation. *Surface Science*, **1989**, 211-212, 797-803	1.8	21
5	Magnetization Processes Analysis in Co-Cu Superlattices. *Materials Research Society Symposia Proceedings*, **1989**, 151, 117		3
4	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	1.6	17
3	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	1.6	81
2	The surface morphology of a growing crystal studied by thermal energy atom scattering (TEAS). *Surface Science*, **1987**, 189-190, 1062-1068	1.8	117
1	Surface-Assisted Synthesis of N - Containing □Conjugated Polymers. *Advanced Science*,2200407	13.6	0