Carmen Ocal

List of Publications by Year
in descending order

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150 papers	5,092 citations	81900 39 h-index	102487 66 g-index
154 all docs	154 docs citations	154 times ranked	6676 citing authors

#	Article	IF	Citations
1	Controlling interpenetration in metalâ€“organic frameworks by liquid-phase epitaxy. Nature Materials, 2009, 8, 481-484.	27.5	500
2	Scanning-tunneling-microscopy study of the growth of cobalt on Cu(111). Physical Review B, 1993, 47, 13043-13046.	3.2	237
3	Solubility of carbon dioxide in aqueous solutions of sodium chloride: Experimental results and correlation. Journal of Solution Chemistry, 1994, 23, 431-448.	1.2	180
4	Model Theory for Scanning Tunneling Microscopy: Application to Au(110) (1Ã—2). Physical Review Letters, 1983, 50, 2002-2005.	7.8	150
5	The controlled growth of oriented metalâ€“organic frameworks on functionalized surfaces as followed by scanning force microscopy. Physical Chemistry Chemical Physics, 2008, 10, 7257.	2.8	130
6	Surface extended x-ray absorption fine-structure study of the O(2Ã—1)/Cu(110) system: Missing-row reconstruction and anisotropy in the surface mean free path and in the surface Debye-Waller factor. Physical Review Letters, 1986, 57, 3273-3276.	7.8	121
7	Reversible Resistive Switching and Multilevel Recording in La0.7Sr0.3MnO3Thin Films for Low Cost Nonvolatile Memories. Nano Letters, 2010, 10, 3828-3835.	9.1	121
8	Energy alignment and recombination in perovskite solar cells: weighted influence on the open circuit voltage. Energy and Environmental Science, 2019, 12, 1309-1316.	30.8	106
9	In situ processing of electrically conducting graphene/SiC nanocomposites. Journal of the European Ceramic Society, 2013, 33, 1665-1674.	5.7	105
10	Tuning the Supramolecular Chirality of One- and Two-Dimensional Aggregates with the Number of Stereogenic Centers in the Component Porphyrins. Journal of the American Chemical Society, 2010, 132, 9350-9362.	13.7	98
11	Tailored surfaces of perovskite oxide substrates for conducted growth of thin films. Chemical Society Reviews, 2014, 43, 2272-2285.	38.1	97
12	Evolution of the structure and mechanical stability of self-assembled alkanethiol islands on Au(111) due to diffusion and ripening. Journal of Chemical Physics, 1999, 111, 9797-9802.	3.0	88
13	Molecular packing changes of alkanethiols monolayers on Au(111) under applied pressure. Journal of Chemical Physics, 2000, 113, 2413-2418.	3.0	88
14	Fabrication of magnetic quantum wires by stepâ€flow growth of cobalt on copper surfaces. Applied Physics Letters, 1995, 66, 1006-1008.	3.3	87
15	Atomically flat SrO-terminated SrTiO3(001) substrate. Applied Physics Letters, 2009, 95, .	3.3	87
16	Threshold-Voltage Shifts in Organic Transistors Due to Self-Assembled Monolayers at the Dielectric: Evidence for Electronic Coupling and Dipolar Effects. ACS Applied Materials & Interfaces, 2015, 7, 22775-22785.	8.0	87
17	Surface extended-x-ray-absorption fine-structure study at the carbonKedge: The p4g(22)-C/Ni(100) system. Physical Review B, 1987, 35, 5900-5902.	3.2	86
18	Initial stages of the growth of Fe on Si(111)7Ã—7. Physical Review B, 1993, 47, 16048-16051.	3.2	84

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19	Electrical conductivity maps in graphene nanoplatelet/silicon nitride composites using conducting scanning force microscopy. Carbon, 2011, 49, 3873-3880.	10.3	79
20	Prion Protein Interaction with Glycosaminoglycan Occurs with the Formation of Oligomeric Complexes Stabilized by Cu(II) Bridges. Journal of Molecular Biology, 2002, 319, 527-540.	4.2	78
21	Real-Space Imaging of the First Stages of FeSi ₂ Epitaxially Grown on Si(111): Nucleation and Atomic Structure. Europhysics Letters, 1992, 18, 595-600.	2.0	74
22	Surface etching and enhanced diffusion during the early stages of the growth of Co on Cu(111). Surface Science, 1994, 307-309, 538-543.	1.9	72
23	The Role of Intermolecular and Moleculeâ˜Substrate Interactions in the Stability of Alkanethiol Nonsaturated Phases on Au(111). Journal of the American Chemical Society, 2004, 126, 385-395.	13.7	72
24	Tailored interfaces for self-patterning organic thin-film transistors. Journal of Materials Chemistry, 2012, 22, 19047.	6.7	66
25	Decoding the Vertical Phase Separation and Its Impact on C8-BTBT/PS Transistor Properties. ACS Applied Materials & Interfaces, 2018, 10, 7296-7303.	8.0	61
26	Tip-surface forces during imaging by scanning tunneling microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1991, 9, 1347.	1.6	60
27	Structure and stability of tilted-chain phases of alkanethiols on Au(111). Journal of Chemical Physics, 2001, 114, 4210-4214.	3.0	60
28	New Insights in the c(4Ã—2) Reconstruction of Hexadecanethiol on Au(111) Revealed by Grazing Incidence X-ray Diffraction. Langmuir, 2004, 20, 9396-9402.	3.5	57
29	Grafting of Monocarboxylic Substituted Polychlorotriphenylmethyl Radicals onto a COOH-Functionalized Self-Assembled Monolayer through Copper (II) Metal Ions. Langmuir, 2008, 24, 6640-6648.	3.5	54
30	Exploring the Tilt-Angle Dependence of Electron Tunneling across Molecular Junctions of Self-Assembled Alkanethiols. ACS Nano, 2009, 3, 2073-2080.	14.6	53
31	An ISS-XPS study on the oxidation of Al(111); identification of stoichiometric and reduced oxide surfaces. Surface Science, 1985, 157, 233-243.	1.9	49
32	Self-Assembly of SrTiO3(001) Chemical-Terminations: A Route for Oxide-Nanostructure Fabrication by Selective Growth. Chemistry of Materials, 2009, 21, 2494-2498.	6.7	49
33	Cabrera-Mott mechanism for oxidation of metals explains diffusion of metallic atoms through thin defective oxide layers. Surface Science, 1985, 163, 335-356.	1.9	48
34	Electron Accumulative Molecules. Journal of the American Chemical Society, 2018, 140, 2957-2970.	13.7	46
35	Surface characterization of epitaxial, semiconducting, FeSi2grown on Si(100). Applied Physics Letters, 1991, 59, 99-101.	3.3	45
36	Dramatic Influence of the Electronic Structure on the Conductivity through Openâ€•and Closedâ€Shell Molecules. Advanced Materials, 2009, 21, 1177-1181.	21.0	45

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37	Low temperature diffusion of Pt and Au atoms through thin TiO2 films on a Ti substrate. Surface Science, 1987, 191, 147-156.	1.9	43
38	Crystallography and morphology of the early stages of the growth of by LEED and STM. Surface Science, 1996, 349, L139-L145.	1.9	43
39	The strong metalâ€“support interaction (SMSI) in Ptâ€“TiO2 model catalysts. A new CO adsorption state on Ptâ€“Ti atoms. Journal of Chemical Physics, 1986, 84, 6474-6478.	3.0	41
40	Creation and motion of vacancy islands on solid surfaces: A direct view. Solid State Communications, 1994, 89, 815-818.	1.9	40
41	Morphology of ZnO grown by MOCVD on sapphire substrates. Journal of Crystal Growth, 2004, 264, 70-78.	1.5	39
42	Scanning tunneling microscopy study of the structure of sulfur [2(3)1/2Ã—2(3)1/2] R 30Â° overlayer on rhenium (0001). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 297-301.	2.1	37
43	A comparative AFM study of the structural and frictional properties of mixed and single component films of alkanethiols on Au(111). Surface Science, 2001, 482-485, 1216-1221.	1.9	36
44	Structural analysis of CdO layers grown on r-plane sapphire <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.5	36
45	A structural study of the K adsorption site on a Si(001)2 Ã— 1 surface: Dimer, caves or both. Surface Science, 1989, 211-212, 31-38.	1.9	33
46	Multi-scale electrical response of silicon nitride/multi-walled carbon nanotubes composites. Composites Science and Technology, 2011, 71, 60-66.	7.8	32
47	Crystallography of epitaxial face centered tetragonal Co/Cu(100) by low energy electron diffraction. Journal of Magnetism and Magnetic Materials, 1993, 121, 65-68.	2.3	31
48	The structure of Co films on Cu(111) up to 15 ML. Surface Science, 1996, 352-354, 46-49.	1.9	31
49	Surface-layered ordered alloy(Pt/Pt3Mn)on Pt(111). Physical Review B, 1997, 56, 12139-12142.	3.2	30
50	Negative differential resistance (NDR) in similar molecules with distinct redox behaviour. Chemical Communications, 2011, 47, 4664.	4.1	30
51	A new metastable epitaxial silicide: FeSi2/Si(111). Ultramicroscopy, 1992, 42-44, 845-850.	1.9	29
52	Geometric and electronic structure of epitaxial iron silicides. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 929-933.	2.1	28
53	Surface elastic properties of Ti alloys modified for medical implants: A force spectroscopy study. Acta Biomaterialia, 2007, 3, 113-119.	8.3	28
54	Influence of the Relative Molecular Orientation on Interfacial Charge-Transfer Excitons at Donor/Acceptor Nanoscale Heterojunctions. Journal of Physical Chemistry C, 2014, 118, 14833-14839.	3.1	28

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55	Crystallography and morphology of the early stages of the growth of by LEED and STM. Surface Science, 1996, 349, L139-L145.	1.9	27
56	Quantitative electrostatic force microscopy on heterogeneous nanoscale samples. Applied Physics Letters, 2005, 87, 154106.	3.3	27
57	NEAR-EDGE X-RAY ABSORPTION FINE-STRUCTURE STUDIES OF RING MOLECULES ADSORBED ON SINGLE CRYSTAL SURFACES. Journal De Physique Colloque, 1986, 47, C8-491-C8-496.	0.2	26
58	Nanomechanical properties of surface-modified titanium alloys for biomedical applications. Acta Biomaterialia, 2008, 4, 1545-1552.	8.3	25
59	Intramolecular Force Contrast and Dynamic Current-Distance Measurements at Room Temperature. Physical Review Letters, 2015, 115, 066101.	7.8	25
60	Predicting supramolecular self-assembly on reconstructed metal surfaces. Nanoscale, 2014, 6, 7991-8001.	5.6	24
61	Giant reversible nanoscale piezoresistance at room temperature in Sr₂IrO₄ thin films. Nanoscale, 2015, 7, 3453-3459.	5.6	24
62	Chain-Length Dependence of Metastable Striped Structures of Alkanethiols on Au(111). Langmuir, 2005, 21, 8270-8277.	3.5	23
63	Enhancing Longâ€Term Device Stability Using Thin Film Blends of Small Molecule Semiconductors and Insulating Polymers to Trap Surfaceâ€Induced Polymorphs. Advanced Functional Materials, 2020, 30, 2006115.	14.9	23
64	Contrast inversion in non-contact Dynamic Scanning Force Microscopy: What is high and what is low?. Ultramicroscopy, 2010, 110, 789-800.	1.9	22
65	Tuning the local frictional and electrostatic responses of nanostructured SrTiO3â€”surfaces by self-assembled molecular monolayers. Physical Chemistry Chemical Physics, 2010, 12, 4452.	2.8	22
66	Film Quality and Electronic Properties of a Surfaceâ€Anchored Metalâ€Organic Framework Revealed by using a Multiâ€technique Approach. ChemElectroChem, 2016, 3, 713-718.	3.4	22
67	The oxidation of submonolayer deposits of Pb on Cu(111); differences between the oxide at the Pb island edges and the stoichiometric surface oxide. Surface Science, 1984, 136, 571-581.	1.9	21
68	Scanning force microscopy three-dimensional modes applied to conductivity measurements through linear-chain organic SAMs. Nanotechnology, 2007, 18, 125505.	2.6	21
69	Intensities and field enhancement of light scattered from periodic gratings: study OF Ag, Au and Cu surfaces. Surface Science, 1984, 143, 342-358.	1.9	20
70	Surface and bulk reconstruction of Pt(111) 1 Ã— 1. Surface Science, 1997, 377-379, 18-22.	1.9	20
71	Misfit Dislocation Guided Topographic and Conduction Patterning in Complex Oxide Epitaxial Thin Films. Advanced Materials Interfaces, 2016, 3, 1600106.	3.7	18
72	Magnetic behavior of oxidized iron thin films prepared by sputtering at very low temperatures. Surface Science, 2001, 482-485, 1095-1100.	1.9	17

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73	Influence of twinned structure on the morphology of CdTe(111) layers grown by MOCVD on GaAs(100) substrates. Journal of Crystal Growth, 2003, 257, 60-68.	1.5	16
74	Nanoscale Laterally Modulated Properties of Oxide Ultrathin Films by Substrate Termination Replica through Layer-by-Layer Growth. Chemistry of Materials, 2012, 24, 4177-4184.	6.7	16
75	A new CO adsorption state on thermally treated model catalysts. Surface Science, 1986, 178, 850-855.	1.9	15
76	Surface structure of ?-FeSi2(101) epitaxially grown on Si(111). Applied Physics A: Solids and Surfaces, 1993, 57, 477-482.	1.4	15
77	The structural characterization of Co-Cu(100) superlattices by X-ray absorption spectroscopy. Journal of Physics Condensed Matter, 1994, 6, 4981-4990.	1.8	15
78	Growth atomic mechanisms of pulsed laser deposited La modified- $mathsf{PbTiO_3}$ perovskites. European Physical Journal B, 2003, 35, 49-55.	1.5	15
79	Surface morphology of semiconducting iron silicides grown on Si(111). Surface Science, 1992, 264, 45-54.	1.9	14
80	Twin coarsening in CdTe(111) films grown on GaAs(100). Acta Materialia, 2006, 54, 4285-4291.	7.9	14
81	Effect of Processing Parameters on Performance of Spray-Deposited Organic Thin-Film Transistors. Journal of Nanotechnology, 2011, 2011, 1-6.	3.4	14
82	Solving the Long-Standing Controversy of Long-Chain Alkanethiols Surface Structure on Au(111). Journal of Physical Chemistry C, 2018, 122, 3893-3902.	3.1	14
83	Growth of epitaxial iron disilicide on Si(100). Surface Science, 1992, 269-270, 1016-1021.	1.9	13
84	Surface microstructure of the oxide protective layers grown on vanadium-free Ti alloys for use in biomedical applications. Surface Science, 2006, 600, 3780-3784.	1.9	13
85	Instability and Surface Potential Modulation of Self-Patterned (001)SrTiO₃ Surfaces. Chemistry of Materials, 2015, 27, 6198-6204.	6.7	13
86	Effect of the Molecular Polarizability of SAMs on the Work Function Modification of Gold: Closedâ€• versus Openâ€Shell Donorâ€“Acceptor SAMs. Advanced Materials Technologies, 2019, 4, 1800152.	5.8	13
87	Double Beneficial Role of Fluorinated Fullerene Dopants on Organic Thin-Film Transistors: Structural Stability and Improved Performance. ACS Applied Materials & Interfaces, 2020, 12, 28416-28425.	8.0	13
88	A molecular-scale portrait of domain imaging in organic surfaces. Nanoscale, 2017, 9, 5589-5596.	5.6	12
89	Conducted growth of SrRuO3 nanodot arrays on self-ordered La0.18Sr0.82Al0.59Ta0.41O3(001) surfaces. Applied Physics Letters, 2011, 99, 051914.	3.3	11
90	Heterogeneous nanotribological response of polymorphic self-assembled monolayers arising from domain and phase dependent friction. Physical Chemistry Chemical Physics, 2013, 15, 1302-1309.	2.8	11

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91	Chemical Doping of the Organic Semiconductor C8â€BTBTâ€C8 Using an Aqueous Iodine Solution for Device Mobility Enhancement. Advanced Materials Technologies, 2022, 7, .	5.8	11
92	Real time scanning force microscopy observation of a structural phase transition in self-assembled alkanethiols. Journal of Chemical Physics, 2006, 124, 206102.	3.0	10
93	Deciphering Structural Domains of Alkanethiol Self-Assembled Configurations by Friction Force Microscopy. Journal of Physical Chemistry A, 2007, 111, 12721-12726.	2.5	10
94	Study of nanoconductive and magnetic properties of nanostructured iron films prepared by sputtering at very low temperatures. Journal of Nanoparticle Research, 2010, 12, 1117-1127.	1.9	10
95	Structure formation in diindenoperylene thin films on copper(111). Physical Chemistry Chemical Physics, 2015, 17, 8776-8783.	2.8	10
96	Prominent local transport in silicon carbide composites containing in-situ synthesized three-dimensional graphene networks. Journal of the European Ceramic Society, 2016, 36, 3073-3081.	5.7	10
97	Core level photoemission study of Au deposited on Pt(111) in the submonolayer range. Surface Science, 1985, 160, L488-L492.	1.9	9
98	Composition-related effects of microstructure on the ferroelectric behavior of SBT thin films. Applied Surface Science, 2001, 175-176, 759-763.	6.1	9
99	Absence of self-heated bistable resistivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.7</mml:mn>	3.2	9
100	Enhanced conduction and ferromagnetic order at (100)-type twin walls in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>0.7</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.3</mml:mn></mml:mrow></mml:msub><mml:mi>Mn</mml:mi><mml:msu	3.2	9
101	Micro and nano-patterning of single-crystal diamond by swift heavy ion irradiation. Diamond and Related Materials, 2016, 69, 1-7.	3.9	9
102	Spray-coated contacts from an organic charge transfer complex solution for organic field-effect transistors. Organic Electronics, 2017, 48, 365-370.	2.6	9
103	Chiral Organization and Charge Redistribution in Chloroaluminum Phthalocyanine on Au(111) Beyond the Monolayer. Journal of Physical Chemistry C, 2018, 122, 16033-16041.	3.1	9
104	Structural phase transition during heteroepitaxial growth of iron silicides on Si(111). Applied Surface Science, 1993, 70-71, 578-582.	6.1	8
105	Synthesis and structure of ordered stoichiometric Pt3Mn-based surface alloys. Surface Science, 2001, 482-485, 1303-1307.	1.9	8
106	MBE fabrication of self-assembled Si and metal nanostructures on Si surfaces. Surface Science, 2006, 600, 3956-3963.	1.9	8
107	Layerâ€Byâ€Layer Electropeeling of Organic Conducting Material Imaged In Real Time. Small, 2009, 5, 214-220.	10.0	8
108	Strong water-mediated friction asymmetry and surface dynamics of zwitterionic solids at ambient conditions: L-alanine as a case study. Journal of Chemical Physics, 2011, 134, 124705.	3.0	8

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109	The memory effect of nanoscale memristors investigated by conducting scanning probe microscopy methods. Beilstein Journal of Nanotechnology, 2012, 3, 722-730.	2.8	8
110	Macroscopic evidence of nanoscale resistive switching in La2/3Sr1/3MnO3micro-fabricated bridges. Journal of Physics Condensed Matter, 2014, 26, 395010.	1.8	8
111	Coming across a novel copper oxide 2D framework during the oxidation of Cu(111). Physical Chemistry Chemical Physics, 2016, 18, 33303-33309.	2.8	8
112	Monoâ€•and multiatomic steps with constant periodicity as observed by STM in vicinal Au(111) surfaces. Journal of Microscopy, 1988, 152, 697-701.	1.8	7
113	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
114	Boosting Selfâ€Assembly Diversity in the Solidâ€State by Chiral/Nonâ€Chiral Zn^{II}â€Porphyrin Crystallization. Chemistry - A European Journal, 2018, 24, 12950-12960.	3.3	7
115	Effect of the Organic Semiconductor Side Groups on the Structural and Electronic Properties of Their Interface with Dopants. ACS Applied Materials & Interfaces, 2020, 12, 57578-57586.	8.0	7
116	In-Situ Scrutiny of the Relationship between Polymorphic Phases and Properties of Self-Assembled Monolayers of a Biphenyl Based Thiol. Journal of Physical Chemistry B, 2018, 122, 657-665.	2.6	6
117	Microstructural Studies on the Lowâ€Temperature Crystallization Process of Strontium Bismuth Tantalate Thin Films. Journal of the American Ceramic Society, 2004, 87, 138-143.	3.8	5
118	Atomic Scale Origin of Adhesion and Friction. , 2001, , 41-52.		5
119	Diffusion of metallic atoms through thin oxides in metallic substrates. Surface Science, 1985, 162, 558-562.	1.9	4
120	Anomalous magnetic behavior of iron thin films prepared by DC sputtering at very low temperatures. Scripta Materialia, 2000, 43, 919-923.	5.2	4
121	Microstructural characterization of iron thin films prepared by sputtering at very low temperatures. Vacuum, 2002, 67, 583-588.	3.5	4
122	Pyramid-like nanostructures created by Si homoepitaxy on Si(001). Materials Science in Semiconductor Processing, 2009, 12, 52-56.	4.0	4
123	Decoupling mechanisms and magnetic stability of nanostructured iron chains prepared by sputtering. Applied Physics Letters, 2011, 98, 102513.	3.3	4
124	Impact of Nanomorphology on Surface Doping of Organic Semiconductors: The Pentaceneâ€“C60F48 Interface. ACS Applied Materials & Interfaces, 2020, 12, 25444-25452.	8.0	4
125	On-surface products from de-fluorination of C₆₀F₄₈ on Ag(111): C₆₀, C₆₀F_x and silver fluoride formation. Physical Chemistry Chemical Physics, 2022, 24, 2349-2356.	2.8	4
126	Spontaneously Polarized Sr[sub 1â^'x]Bi[sub 2+y]Ta[sub 2]O[sub 9] Thin Films Prepared by Metallorganic Decomposition. Journal of the Electrochemical Society, 2002, 149, F4.	2.9	3

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127	Observation of a spin-polarized current through single atom quantum point contacts. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 264-265.	2.7	3
128	Faceting and structural anisotropy of nanopatterned CdO(110) layers. Journal of Applied Physics, 2005, 98, 034311.	2.5	3
129	Evaluation of Insulin-like Growth Factor (IGF)-I and IGF Binding Protein-3 Generation Test in Short Stature. Journal of Pediatric Endocrinology and Metabolism, 2005, 18, 443-52.	0.9	3
130	Load-Free Determination of Film Structure Dependent Tunneling Decay Factors in Molecular Junctions. Journal of Physical Chemistry C, 2009, 113, 21903-21910.	3.1	3
131	Formation of pyramid-like nanostructures in MBE-grown Si films on Si(001). Applied Physics A: Materials Science and Processing, 2011, 102, 731-738.	2.3	3
132	Microfluidic Pneumatic Cages: A Novel Approach for In-chip Crystal Trapping, Manipulation and Controlled Chemical Treatment. Journal of Visualized Experiments, 2016, , .	0.3	3
133	Face dependent footprints of carpet-like graphene films grown on polycrystalline silicon carbide. Carbon, 2019, 153, 417-427.	10.3	3
134	Surface specificity and mechanistic pathway of de-fluorination of C₆₀F₄₈ on coinage metals. Nanoscale Advances, 2020, 2, 4529-4538.	4.6	3
135	Ferroelectric Domain Structure and Local Piezoelectric Properties of La-Modified PbTiO 3 Thin Films Prepared by Pulsed Laser Deposition. Ferroelectrics, 2002, 269, 27-32.	0.6	2
136	Surface grafting of a dense and rigid coordination polymer based on tri-para-carboxy-polychlorotriphenylmethyl radical and copper acetate. Journal of Materials Chemistry C, 2013, 1, 793-800.	5.5	2
137	Bottom-up on-crystal in-chip formation of a conducting salt and a view of its restructuring: from organic insulator to conducting â€œswitchâ€•through microfluidic manipulation. Chemical Science, 2015, 6, 3471-3477.	7.4	2
138	Design Dependence of the Interface Structure and Crystalline Order of Organic Semiconductor/Dopant Heterojunctions: Pentacene/C₆₀F₄₈. Journal of Physical Chemistry C, 2021, 125, 5363-5371.	3.1	2
139	Core level photoemission study of Au deposited on Pt(111) in the submonolayer range. Surface Science Letters, 1985, 160, L488-L492.	0.1	1
140	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
141	Real Space Demonstration of Induced Crystalline 3D Nanostructuration of Organic Layers. Journal of Physical Chemistry B, 2018, 122, 633-639.	2.6	1
142	Enantiopure Supramolecular Motifs of Self-Assembled Diamine-Based Chiral Molecules on Cu(100). Journal of Physical Chemistry C, 2018, 122, 24129-24136.	3.1	1
143	Bipolar resistive switching on TiO2/Au by conducting Atomic Force Microscopy. Materials Today: Proceedings, 2019, 14, 100-103.	1.8	1
144	From high quality packing to disordered nucleation or phase separation in donor/acceptor interfaces: ClAlPc-C₆₀ on Au(111). Physical Chemistry Chemical Physics, 2021, 23, 14363-14371.	2.8	1

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145	Bound states of the He-GaAs(110) attractive interaction potential. Physical Review B, 1981, 24, 1140-1143.	3.2	0
146	Photoemission multiplet splitting in metallic glasses. Journal of Non-Crystalline Solids, 1986, 88, 162-166.	3.1	0
147	Growth Instabilities as a Source of Surface Chemical Structuration in Functional Perovskite Thin Films. Crystal Growth and Design, 2016, 16, 5479-5486.	3.0	0
148	PTM Radicals for Molecular-Based Electronic Devices. Advances in Atom and Single Molecule Machines, 2013, , 71-85.	0.0	0
149	On the Structural Quality of Co/Cu Trilayers and Superlattices: The Influence of the Template Layer. NATO ASI Series Series B: Physics, 1993, , 439-451.	0.2	0
150	The Growth of Cobalt/Copper Epitaxial Layers and its Relationship to the Oscillatory Magnetic Coupling. , 1994, , 141-149.		0