

Fernando Stavale

List of Publications by Year in descending order

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55
papers

6,109
citations

361045

20
h-index

197535

49
g-index

55
all docs

55
docs citations

55
times ranked

10109
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying Defects in Graphene via Raman Spectroscopy at Different Excitation Energies. Nano Letters, 2011, 11, 3190-3196.	4.5	2,807
2	Quantifying ion-induced defects and Raman relaxation length in graphene. Carbon, 2010, 48, 1592-1597.	5.4	1,443
3	Evolution of the Raman spectra from single-, few-, and many-layer graphene with increasing disorder. Physical Review B, 2010, 82, .	1.1	606
4	Measuring disorder in graphene with the G and D bands. Physica Status Solidi (B): Basic Research, 2010, 247, 2980-2982.	0.7	190
5	XPS study on the mechanism of starch-hematite surface chemical complexation. Minerals Engineering, 2017, 110, 96-103.	1.8	145
6	Raman study of ion-induced defects in <i>N</i> -layer graphene. Journal of Physics Condensed Matter, 2010, 22, 334204.	0.7	110
7	Oxidation of Au by Surface OH: Nucleation and Electronic Structure of Gold on Hydroxylated MgO(001). Journal of the American Chemical Society, 2011, 133, 10668-10676.	6.6	94
8	Donor Characteristics of Transition-Metal-Doped Oxides: Cr-Doped MgO versus Mo-Doped CaO. Journal of the American Chemical Society, 2012, 134, 11380-11383.	6.6	90
9	Cu@TiO ₂ Janus microswimmers with a versatile motion mechanism. Soft Matter, 2018, 14, 6969-6973.	1.2	52
10	STM Luminescence Spectroscopy of Intrinsic Defects in ZnO(0001̄...) Thin Films. Journal of Physical Chemistry Letters, 2013, 4, 3972-3976.	2.1	45
11	Cathodoluminescence of near-surface centres in Cr-doped MgO(001) thin films probed by scanning tunnelling microscopy. New Journal of Physics, 2012, 14, 033006.	1.2	38
12	Morphology and Luminescence of ZnO Films Grown on a Au(111) Support. Journal of Physical Chemistry C, 2013, 117, 10552-10557.	1.5	38
13	Luminescence Properties of Nitrogen-Doped ZnO. Journal of Physical Chemistry C, 2014, 118, 13693-13696.	1.5	36
14	Raman spectroscopy study of Ar ⁺ bombardment in highly oriented pyrolytic graphite. Physica Status Solidi (B): Basic Research, 2009, 246, 2689-2692.	0.7	34
15	Reduced graphene oxide as an excellent platform to produce a stable Brønsted acid catalyst for biodiesel production. Fuel, 2019, 256, 115793.	3.4	34
16	Compensation temperatures and exchange bias in $\text{La}_{1-x}\text{Mn}_x\text{O}_3$. Physical Review B, 2016, 93, .	1.5	31
17	Reduced graphene oxide prepared at low temperature thermal treatment as transparent conductors for organic electronic applications. Organic Electronics, 2017, 49, 165-173.	1.4	31
18	Steering the Growth of Metal Adatoms Particles via Interface Interactions Between a MgO Thin Film and a Mo Support. Advanced Functional Materials, 2013, 23, 75-80.	7.8	24

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19	Training-induced inversion of spontaneous exchange bias field on La _{1.5} Ca _{0.5} CoMnO ₆ . Journal of Magnetism and Magnetic Materials, 2017, 433, 271-277.	1.0	24
20	Manganese Oxide Thin Films on Au(111): Growth Competition between MnO and Mn ₃ O ₄ . Journal of Physical Chemistry C, 2019, 123, 7665-7672.	1.5	23
21	Defect complexes in Li-doped MgO. Physical Review B, 2015, 91, .	1.1	20
22	CO ₂ and H ₂ adsorption on 3D nitrogen-doped porous graphene: Experimental and theoretical studies. Journal of CO ₂ Utilization, 2021, 48, 101517.	3.3	18
23	First-principles calculation and scanning tunneling microscopy study of highly oriented pyrolytic graphite (0001). Physical Review B, 2009, 79, .	1.1	14
24	Atomically resolved interface structure of a vanadium sesquioxide(0001) film grown on Cu ₃ Au(001). Surface Science, 2008, 602, L59-L63.	0.8	13
25	Hydrogen-induced metallization on the ZnO(0001) surface. Physical Review B, 2018, 98, .	1.1	12
26	Water Adsorption to Crystalline Cu ₂ O Thin Films: Structural and Vibrational Properties. Journal of Physical Chemistry C, 2018, 122, 2195-2199.	1.5	11
27	Statistical analysis of the catalytic synthesis of Vinyl acetate over Pd-Cu/ZrO ₂ nanostructured based catalysts. Catalysis Today, 2020, 344, 108-117.	2.2	11
28	Growth and Raman spectroscopy of ultrathin ZnO(0001) films on Ag(001). Surface Science, 2021, 704, 121748.	0.8	11
29	Signatures of oxygen on Cu ₃ O ₉ From isolated impurity to oxide regimes. Physical Review B, 2010, 82, .		
30	Mn ₃ O ₄ Thin Film on Cu(111): Modulating Electronic Structure through Film-Substrate Interaction. Journal of Physical Chemistry C, 2020, 124, 15162-15170.	1.5	9
31	Vanadium nanoclusters on Si(111) 7Å-7 surface studied by scanning tunneling microscopy. Surface Science, 2007, 601, 4881-4887.	0.8	7
32	Direct immobilization of avidin protein on AFM tip functionalized by acrylic acid vapor at RF plasma. Journal of Molecular Recognition, 2012, 25, 256-261.	1.1	6
33	Nanostructured Pd-Cu Catalysts Supported on Zr-Al and Zr-Ti for Synthesis of Vinyl Acetate. ChemCatChem, 2018, 10, 5256-5269.	1.8	6
34	Starch adsorption on hematite surfaces: Evidence of the adsorption mechanism dependence on the surface orientation. Minerals Engineering, 2022, 178, 107429.	1.8	6
35	The structure of Mn ₃ O ₄ (110) thin films. Surface Science, 2022, 720, 122062.	0.8	6
36	Autocatalytic growth of ZnO nanorods from flat Au(111)-supported ZnO films. Physical Chemistry Chemical Physics, 2014, 16, 26741-26745.	1.3	5

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37	Ag/ZnO hybrid systems studied with scanning tunnelling microscopy-based luminescence spectroscopy. Journal of Applied Physics, 2016, 119, .	1.1	5
38	Electronic properties of ultrathin O-terminated ZnO on Au (111). Surface Science, 2019, 679, 259-263.	0.8	5
39	Semiconductor-Based Microswimmers: Attention to Detail Matters. Journal of Physical Chemistry Letters, 2021, 12, 9651-9656.	2.1	5
40	Unraveling hausmannite (Mn ₃ O ₄) thin films surface structure by X ray linear dichroism. Applied Surface Science, 2022, 578, 151944.	3.1	5
41	Ultra thin V ₂ O ₃ films grown on oxidized Si(1 1 1). Surface Science, 2009, 603, 2721-2724.	0.8	4
42	From embedded nanoislands to thin films: Topographic and optical properties of europium oxide on MgO(001) films. Physical Review B, 2012, 86, .	1.1	4
43	Lithium-molybdate nanostructures grown on the Mo(001) surface. Surface Science, 2013, 609, 78-84.	0.8	4
44	Assessing the film-substrate interaction in germania films on reconstructed Au(111). Physical Review B, 2019, 100, .	1.1	4
45	Core-level binding energy shifts between interior, terrace and edge atoms in MnO(001) thin films. Surface Science, 2022, 725, 122159.	0.8	4
46	Quartz microbalance device for transfer into ultrahigh vacuum systems. Review of Scientific Instruments, 2008, 79, 105102.	0.6	3
47	Probing the luminescence of single Eu ₂ O ₃ nano-islands on MgO(001) with scanning tunneling microscopy. Applied Physics Letters, 2012, 101, 013109.	1.5	3
48	Quantitative Characterization of the Interface Between a V ₂ O ₃ Layer and Cu ₃ Au (001) by Cs Corrected HREM. Materials Research Society Symposia Proceedings, 2009, 1184, 192.	0.1	1
49	Raman Spectroscopy to Study Disorder and Perturbations in sp ² Nano-Carbons. , 2010, , .		1
50	Metal Nanoparticles: Steering the Growth of Metal Adatoms via Interface Interactions Between a MgO Thin Film and a Mo Support (Adv. Funct. Mater. 1/2013). Advanced Functional Materials, 2013, 23, 136-136.	7.8	1
51	Artificial Photosynthesis Inspired by PSII: Water Splitting on Heterogeneous Photocatalysts. , 2018, , 327-333.		1
52	Phase diagram for (Ti _{0.5} Pb _{0.5})(Ba _{0.2} Sr _{0.8}) ₂ Ca ₂ Cu ₃ O _{8+δ} (Tl-1223) polycrystalline sample with optimum oxygen content. Physica C: Superconductivity and Its Applications, 2004, 408-410, 54-55.	0.6	0
53	Interface Structure of a V ₂ O ₃ Layer Grown on Cu ₃ Au (001) by Cs Corrected Transmission Electron Microscopy. Microscopy and Microanalysis, 2008, 14, 452-453.	0.2	0
54	Early stages of vanadium deposition on Si(111)-7Å-7. Surface Science, 2009, 603, 835-838.	0.8	0

#	ARTICLE	IF	CITATIONS
55	International Conference on Solid Films and Surfaces (ICSFS 2014). IOP Conference Series: Materials Science and Engineering, 2015, 76, 011001.	0.3	0