

# Giovanni Zamborlini

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

712  
citations

623734

14  
h-index

552781

26  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cathode lens spectromicroscopy: methodology and applications. Beilstein Journal of Nanotechnology, 2014, 5, 1873-1886.	2.8	82
2	Nanobubbles at GPa Pressure under Graphene. Nano Letters, 2015, 15, 6162-6169.	9.1	65
3	Direct Observation of the Band Gap Transition in Atomically Thin ReS <sub>2</sub> . Nano Letters, 2017, 17, 5187-5192.	9.1	65
4	Topotactic Phase Transition Driving Memristive Behavior. Advanced Materials, 2019, 31, e1903391.	21.0	61
5	Beyond van der Waals Interaction: The Case of MoSe <sub>2</sub> Epitaxially Grown on Few-Layer Graphene. ACS Nano, 2018, 12, 2319-2331.	14.6	46
6	Multi-orbital charge transfer at highly oriented organic/metal interfaces. Nature Communications, 2017, 8, 335.	12.8	45
7	On-surface nickel porphyrin mimics the reactive center of an enzyme cofactor. Chemical Communications, 2018, 54, 13423-13426.	4.1	32
8	Switchable graphene-substrate coupling through formation/dissolution of an intercalated Ni-carbide layer. Scientific Reports, 2016, 6, 19734.	3.3	31
9	Combined orbital tomography study of multi-configurational molecular adsorbate systems. Nature Communications, 2019, 10, 5255.	12.8	26
10	Evaluation of molecular orbital symmetry via oxygen-induced charge transfer quenching at a metal-organic interface. Applied Surface Science, 2020, 504, 144343.	6.1	19
11	Room-Temperature On-Spin-Switching and Tuning in a Porphyrin-Based Multifunctional Interface. Small, 2021, 17, e2104779.	10.0	19
12	Coexisting Charge States in a Unary Organic Monolayer Film on a Metal. Journal of Physical Chemistry Letters, 2019, 10, 6438-6445.	4.6	18
13	Kink far below the Fermi level reveals new electron-magnon scattering channel in Fe. Nature Communications, 2019, 10, 505.	12.8	16
14	Ferrous to Ferric Transition in Fe-Phthalocyanine Driven by NO <sub>2</sub> Exposure. Chemistry - A European Journal, 2021, 27, 3526-3535.	3.3	16
15	Molecular orbital imaging beyond the first monolayer: Insights into the pentacene/Ag(110) interface. Physical Review B, 2018, 98, .	3.2	15
16	Role of carbon dissolution and recondensation in graphene epitaxial alignment on cobalt. Carbon, 2019, 152, 489-496.	10.3	15
17	Algorithms and image formation in orbital tomography. Physical Review B, 2018, 98, .	3.2	13
18	Molecular anchoring stabilizes low valence Ni( <i>scp</i> )TPP on copper against thermally induced chemical changes. Journal of Materials Chemistry C, 2020, 8, 8876-8886.	5.5	13

#	ARTICLE	IF	CITATIONS
19	Signatures of an atomic crystal in the band structure of a $C_{60}$ thin film. Physical Review B, 2020, 101, .	3.2	13
20	Growth of single and multi-layer graphene on Ir(100). Carbon, 2014, 74, 237-248.	10.3	10
21	Fabrication of 2D Heterojunction in Graphene via Low Energy $N^{2+}$ Irradiation. Small, 2015, 11, 5927-5931.	10.0	10
22	The geometric and electronic structure of TCNQ and TCNQ+Mn on Ag(0 0 1) and Cu(0 0 1) surfaces. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 125-131.	1.7	10
23	Reversible redox reactions in metal-supported porphyrin: the role of spin and oxidation state. Journal of Materials Chemistry C, 2021, 9, 12559-12565.	5.5	10
24	Tunable coupling by means of oxygen intercalation and removal at the strongly interacting graphene/cobalt interface. Carbon, 2020, 163, 341-347.	10.3	9
25	Plane-wave final state for photoemission from nonplanar molecules at a metal-organic interface. Physical Review B, 2020, 101, .	3.2	9
26	Vibronic Fingerprints of the Nickel Oxidation States in Surface-Supported Porphyrin Arrays. Journal of Physical Chemistry C, 2020, 124, 6297-6303.	3.1	7
27	Spin-polarized quantized electronic structure of Fe(001) with symmetry breaking due to the magnetization direction. Physical Review B, 2021, 103, .	3.2	7
28	The Thinnest Carpet on the Smallest Staircase: The Growth of Graphene on Rh(533). Journal of Physical Chemistry C, 2014, 118, 6242-6250.	3.1	6
29	Fe(001) angle-resolved photoemission and intrinsic anomalous Hall conductivity in Fe seen by different <i>ab initio</i> approaches: LDA and GGA versus $GW$ . Physical Review B, 2022, 105, .	3.2	5
30	Principal component analysis: Reveal camouflaged information in x-ray absorption spectroscopy photoemission electron microscopy of complex thin oxide films. Thin Solid Films, 2018, 665, 75-84.	1.8	4
31	Disproportionation of Nitric Oxide at a Surface-Bound Nickel Porphyrinoid. Angewandte Chemie - International Edition, 2022, 61, .	13.8	4
32	Localized segregation of gold in ultrathin Fe films on Au(001). Physical Review B, 2018, 97, .	3.2	2
33	One-dimensional Rashba states with unconventional spin texture in Bi chains. Physical Review B, 2022, 106, .	3.2	2
34	Nanoscale Surface Decomposition of $Pr_{0.5}Ba_{0.5}CoO_{3-\delta}$ Perovskites Turns Performance Descriptors Ambiguous. Journal of Physical Chemistry C, 2021, 125, 10043-10050.	3.1	1
35	Spin-polarized hybrid states in epitaxially-aligned and rotated graphene on cobalt. Carbon, 2022, 198, 188-194.	10.3	1
36	Schottky barrier measurements on individual GaAs nanowires by X-ray photoemission microscopy. Applied Surface Science, 2016, 386, 72-77.	6.1	0

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37	Disproportionation of Nitric Oxide at a Surface-Bound Nickel Porphyrinoid. <i>Angewandte Chemie</i> , 0, , .	2.0	0