

Fabio Bussolotti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1784981/publications.pdf>

Version: 2024-02-01

36
papers

1,414
citations

361413

20
h-index

345221

36
g-index

37
all docs

37
docs citations

37
times ranked

2293
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019, 31, e1901185.	21.0	129
2	Molecular parameters responsible for thermally activated transport in doped organic semiconductors. <i>Nature Materials</i> , 2019, 18, 242-248.	27.5	121
3	Gap states in Pentacene Thin Film Induced by Inert Gas Exposure. <i>Physical Review Letters</i> , 2013, 110, 267602.	7.8	114
4	Insight into doping efficiency of organic semiconductors from the analysis of the density of states in n-doped C60 and ZnPc. <i>Nature Materials</i> , 2018, 17, 439-444.	27.5	101
5	Origin and role of gap states in organic semiconductor studied by UPS: as the nature of organic molecular crystals. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 423002.	2.8	97
6	Can Reconstructed Seâ€œDeficient Line Defects in Monolayer VSe ₂ Induce Magnetism?. <i>Advanced Materials</i> , 2020, 32, e2000693.	21.0	87
7	Mechanism of the Fermi level pinning at organic donorâ€œacceptor heterojunction interfaces. <i>Organic Electronics</i> , 2011, 12, 534-540.	2.6	85
8	Core-shell photoabsorption and photoelectron spectra of gas-phase pentacene: Experiment and theory. <i>Journal of Chemical Physics</i> , 2005, 122, 124305.	3.0	83
9	Modification of Vapor Phase Concentrations in MoS ₂ Growth Using a NiO Foam Barrier. <i>ACS Nano</i> , 2018, 12, 1339-1349.	14.6	70
10	Roadmap on finding chiral valleys: screening 2D materials for valleytronics. <i>Nano Futures</i> , 2018, 2, 032001.	2.2	58
11	Accessing Surface Brillouin Zone and Band Structure of Picene Single Crystals. <i>Physical Review Letters</i> , 2012, 108, 226401.	7.8	55
12	Metallic 1T Phase, 3d ¹ Electronic Configuration and Charge Density Wave Order in Molecular Beam Epitaxy Grown Monolayer Vanadium Diteelluride. <i>ACS Nano</i> , 2019, 13, 12894-12900.	14.6	48
13	The evolution of benzenethiol self-assembled monolayer on the Cu(100) surface. <i>Surface Science</i> , 2005, 598, 218-225.	1.9	34
14	Analyzing the n-Doping Mechanism of an Air-Stable Small-Molecule Precursor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1340-1346.	8.0	28
15	Impact of S-Vacancies on the Charge Injection Barrier at the Electrical Contact with the MoS ₂ Monolayer. <i>ACS Nano</i> , 2021, 15, 2686-2697.	14.6	27
16	Fermi-level pinning appears upon weak electrode-organic contact without gap states: A universal phenomenon. <i>Organic Electronics</i> , 2017, 48, 172-178.	2.6	24
17	The role of gap states on energy level alignment at an $\hat{I}\pm$ -NPD/HAT(CN) 6 charge generation interface. <i>Organic Electronics</i> , 2015, 24, 120-124.	2.6	22
18	Electronic properties of atomically thin MoS ₂ layers grown by physical vapour deposition: band structure and energy level alignment at layer/substrate interfaces. <i>RSC Advances</i> , 2018, 8, 7744-7752.	3.6	22

#	ARTICLE	IF	CITATIONS
19	Interface optimization using diindenoperylene for C 60 thin film transistors with high electron mobility and stability. <i>Organic Electronics</i> , 2014, 15, 2749-2755.	2.6	21
20	Thickness and Substrate Dependent Thin Film Growth of Picene and Impact on the Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2015, 119, 29027-29037.	3.1	21
21	Tuning the Conductivity Type in Monolayer WS ₂ and MoS ₂ by Sulfur Vacancies. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000248.	2.4	20
22	Self-Assembly of Tetraphenyldibenzoperiflanthene (DBP) Films on Ag(111) in the Monolayer Regime. <i>Langmuir</i> , 2016, 32, 1981-1987.	3.5	18
23	Toward Valley-Coupled Spin Qubits. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900123.	3.9	18
24	Gate-Defined Quantum Confinement in CVD 2D WS ₂ . <i>Advanced Materials</i> , 2022, 34, e2103907.	21.0	18
25	Transient Monolayer Structure of Rubrene on Graphite: Impact on Hole-Phonon Coupling. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14568-14574.	3.1	16
26	High-sensitivity ultraviolet photoemission spectroscopy technique for direct detection of gap states in organic thin films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 204, 29-38.	1.7	13
27	Protected hole valley states in single-layer MoS_2 . <i>Physical Review B</i> , 2019, 99, .	3.2	11
28	Role of Initial and Final States in Molecular Spectroscopies: Example of Tetraphenyldibenzoperiflanthene (DBP) on Graphite. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19622-19638.	3.1	9
29	Stacks of Nucleic Acids as Molecular Wires: Direct Measurement of the Intermolecular Band Dispersion in Multilayer Guanine Assemblies. <i>Journal of the American Chemical Society</i> , 2010, 132, 12808-12810.	13.7	8
30	A Lab-scale Spin and Angular Resolved Photoemission Spectroscopy Capability for 2D Valleytronics. <i>MRS Advances</i> , 2017, 2, 1527-1532.	0.9	8
31	Multiband superconductivity in strongly hybridized WTe_2 heterostructures. <i>Physical Review B</i> , 2022, 105, .		7
32	Direct control of defects in molybdenum oxide and understanding their high CO ₂ sorption performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12576-12585.	10.3	5
33	Bi ordered phases on Cu(100): Periodic arrays of dislocations influence the electronic properties. <i>Journal of Chemical Physics</i> , 2010, 132, 174706.	3.0	2
34	Anchoring sulphur-headgroup organic molecules at Cu(100): Tailoring the interface electronic states. <i>Surface Science</i> , 2007, 601, 2580-2583.	1.9	1
35	STM/STS and ARPES characterization of structure and electronic properties. , 2020, , 199-220.		1
36	Back Cover: Toward Valley-Coupled Spin Qubits (Adv. Quantum Technol. 6/2020). <i>Advanced Quantum Technologies</i> , 2020, 3, 2070063.	3.9	1