

Beatrice Bonanni

List of Publications by Year in descending order

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567281

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Single Molecule Recognition between Cytochrome C 551 and Gold-Immobilized Azurin by Force Spectroscopy. <i>Biophysical Journal</i> , 2005, 89, 2783-2791.	0.5	82
2	Molecular Ordering at the Interface Between Liquid Water and Rutile TiO ₂ (110). <i>Advanced Materials Interfaces</i> , 2015, 2, 1500246.	3.7	68
3	Topological and Electron-Transfer Properties of Yeast Cytochrome c Adsorbed on Bare Gold Electrodes. <i>ChemPhysChem</i> , 2003, 4, 1183-1188.	2.1	49
4	Scanning probe microscopy characterization of gold-chemisorbed poplar plastocyanin mutants. <i>Surface Science</i> , 2003, 530, 181-194.	1.9	40
5	Functional Metalloproteins Integrated with Conductive Substrates: Detecting Single Molecules and Sensing Individual Recognition Events. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5062-5075.	2.6	40
6	Surface-Enhanced Polymerization via Schiff-Base Coupling at the Solid-Water Interface under pH Control. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19228-19235.	3.1	39
7	Optimized Biorecognition of Cytochromec551 and Azurin Immobilized on Thiol-Terminated Monolayers Assembled on Au(111) Substrates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14574-14580.	2.6	36
8	Site-Sensitive Gas Sensing and Analyte Discrimination in Langmuir-Blodgett Porphyrin Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8189-8194.	3.1	33
9	Cu(110) Surface in Hydrochloric Acid Solution: Potential Dependent Chloride Adsorption and Surface Restructuring. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1782-1790.	3.1	29
10	Coexistence of Negatively and Positively Buckled Isomers on n-Doped Si(111)-1. <i>Physical Review Letters</i> , 2011, 106, 067601.	7.8	27
11	Docking and molecular dynamics simulation of the Azurin-Cytochrome c551 electron transfer complex. <i>Journal of Molecular Recognition</i> , 2007, 20, 122-131.	2.1	24
12	The spectrum of energy levels of the Ga-vacancy/deuterium complexes in p-GaAs. <i>Journal of Applied Physics</i> , 1993, 73, 3326-3331.	2.5	23
13	Probing Two-Dimensional vs Three-Dimensional Molecular Aggregation in Metal-Free Tetraphenylporphyrin Thin Films by Optical Anisotropy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15649-15655.	3.1	23
14	A Combined Atomic Force Microscopy and Molecular Dynamics Simulation Study on a Plastocyanin Mutant Chemisorbed on a Gold Surface. <i>ChemPhysChem</i> , 2003, 4, 1189-1195.	2.1	22
15	Interaction mechanisms of near-surface quantum wells with oxidized and H-passivated AlGaAs surfaces. <i>Journal of Applied Physics</i> , 1994, 75, 5114-5122.	2.5	21
16	Yeast cytochrome c integrated with electronic elements: a nanoscopic and spectroscopic study down to single-molecule level. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 225009.	1.8	14
17	Strain and surface morphology in lattice-matched ZnSe/InxGa1-xAs heterostructures. <i>Journal of Applied Physics</i> , 1998, 83, 2504-2510.	2.5	10
18	In situ scanning tunneling microscopy study of Ca-modified rutile TiO ₂ (110) in bulk water. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 438-443.	2.8	9

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19	Tunneling and relaxation of photogenerated carriers in near-surface quantum wells. Journal of Applied Physics, 1995, 77, 5712-5717.	2.5	8
20	Passivation of InGaAs/InP surface quantum wells by ion-gun hydrogenation. Applied Physics Letters, 1994, 64, 2658-2660.	3.3	7
21	Deuterium in InGaAs/GaAs strained quantum wells: an optically active impurity. Semiconductor Science and Technology, 1994, 9, 2233-2238.	2.0	7
22	ZnSe/CdTe/ZnSe heterostructures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 2263.	1.6	7
23	Structural and electronic properties of wide band gap Zn _{1-x} Mg _x Se alloys. Journal of Applied Physics, 2004, 95, 4184-4192.	2.5	6
24	Band discontinuities in ZnMgSe/ZnCdSe(001) lattice-matched heterostructures. Applied Physics Letters, 2001, 78, 1574-1576.	3.3	5
25	Silicon clustering in Si-doped GaAs layers and superlattices. Applied Physics Letters, 2002, 81, 1639-1641.	3.3	5
26	Charge transfer between isomer domains on n+-doped Si(111)-2 Å ⁻¹ : energetic stabilization. Journal of Physics Condensed Matter, 2012, 24, 354009.	1.8	5
27	Corroles at the Solid-Liquid Interface: In Situ STM Investigation of a Water-Soluble Corrole Layer Deposited onto Au(111). Chemistry - A European Journal, 2018, 24, 17538-17544.	3.3	5
28	Reflectance anisotropy spectroscopy of strain-engineered GaAsBi alloys. Applied Physics Letters, 2022, 120, .	3.3	5
29	ZnSe Growth on Lattice-Matched In _x Ga _{1-x} As Substrates. Surface Review and Letters, 1998, 05, 693-700.	1.1	4
30	Optical absorption measurements of electron quantum confinement in Si chains. Physical Review B, 2010, 82, .	3.2	4
31	Reflectance anisotropy spectroscopy applied to organic thin films: The role of the substrate. Organic Electronics, 2018, 62, 102-106.	2.6	4
32	CdTe epitaxial layers in ZnSe-based heterostructures. Journal of Crystal Growth, 1999, 201-202, 465-469.	1.5	3
33	Perimeter fractal dimension analysis of corrole islands on Au(111) at the solid-water interface. Journal of Porphyrins and Phthalocyanines, 2020, 24, 959-963.	0.8	3
34	Optical Emission Study of the Energy Levels of Ga-VACANCY/HYDROGEN Complexes in N and P-TYPE GaAs. Materials Research Society Symposia Proceedings, 1992, 262, 467.	0.1	2
35	Confinement effects in π -bonded chains at group IV semiconductor (111) surfaces. Journal of Physics Condensed Matter, 2013, 25, 485008.	1.8	2
36	Islanding, growth mode and ordering in Si heteroepitaxy on Ge(001) substrates structured by thermal annealing. Surface Science, 2019, 683, 31-37.	1.9	2

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37	Growth of Corrole Films from Solution: A Nanometer-Scale Study at the Real Solid–Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11540-11547.	3.1	2
38	Unveiling the robustness of porphyrin crystalline nanowires toward aggressive chemicals. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	2
39	Surface proximity effects in III–V quantum wells investigated by photoreflectance. <i>Solid State Communications</i> , 1996, 100, 591-595.	1.9	1
40	Native extended defects in Zn _{1-y} Cd _y Se/In _x Ga _{1-x} As heterostructures. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998, 16, 2334.	1.6	1
41	Excitonic properties and band alignment in lattice-matched ZnCdSe/ZnMgSe multiple-quantum-well structures. <i>Applied Physics Letters</i> , 2001, 78, 434-436.	3.3	1
42	MORPHOLOGY AND CHEMISTRY OF S-TREATED GaAs(001) SURFACES. <i>Surface Review and Letters</i> , 2002, 09, 413-423.	1.1	1
43	Yeast cytochrome c on gold electrode: a robust hybrid system for bio-nanodevices. , 0, , .		1
44	Epitaxial Al/GaN and Au/GaN junctions on as-grown GaN(0001) 1 Å–1 surfaces. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 804-807.	1.8	1
45	Near-surface quantum wells in GaAs: recovery of emission efficiency via surface passivation by hydrogen and stability effects. , 1993, , .		0
46	Metal/III–V diodes engineered by means of Si interlayers: Interface reactions versus local interface dipoles. <i>Applied Physics Letters</i> , 2001, 79, 1462-1464.	3.3	0