

VALENTINA ARIMA

List of Publications by Year in descending order

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48
papers

1,112
citations

471509

17
h-index

414414

32
g-index

48
all docs

48
docs citations

48
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Field Effect Transistor Based on a Modified DNA Base. Nano Letters, 2003, 3, 479-483.	9.1	125
2	Lab-on-Chip for Exosomes and Microvesicles Detection and Characterization. Sensors, 2018, 18, 3175.	3.8	107
3	Electronic structure of indium-tin-oxide films fabricated by reactive electron-beam deposition. Physical Review B, 2005, 72, .	3.2	83
4	Electronic rectification in protein devices. Applied Physics Letters, 2003, 82, 472-474.	3.3	73
5	Toward quantum-dot cellular automata units: thiolated-carbazole linked bisferrocenes. Nanoscale, 2012, 4, 813-823.	5.6	58
6	Radiochemistry on chip: towards dose-on-demand synthesis of PET radiopharmaceuticals. Lab on A Chip, 2013, 13, 2328.	6.0	58
7	Random laser emission from a paper-based device. Journal of Materials Chemistry C, 2013, 1, 8128.	5.5	51
8	Hybrid molecular electronic devices based on modified deoxyguanosines. Nanotechnology, 2002, 13, 398-403.	2.6	47
9	Catalytic Self-Propulsion of Supramolecular Capsules Powered by Polyoxometalate Cargos. Chemistry - A European Journal, 2014, 20, 10910-10914.	3.3	45
10	Self-Assembled Monolayers of Cobalt(II) (4-tert-Butylphenyl)-Porphyrins: The Influence of the Electronic Dipole on Scanning Tunneling Microscopy Images. Journal of the American Chemical Society, 2004, 126, 16951-16958.	13.7	37
11	Quartz crystal microbalance with dissipation (QCM-D) as tool to exploit antigen-antibody interactions in pancreatic ductal adenocarcinoma detection. Biosensors and Bioelectronics, 2013, 42, 646-652.	10.1	29
12	Hydrophobin: fluorosurfactant-like properties without fluorine. Soft Matter, 2013, 9, 6505.	2.7	24
13	Nitrogen supported solvent evaporation using continuous-flow microfluidics. RSC Advances, 2012, 2, 11117.	3.6	23
14	Transition from nonresonant to resonant random lasers by the geometrical confinement of disorder. Optics Letters, 2013, 38, 5043.	3.3	23
15	Fluoropolymers coatings on polydimethylsiloxane for retarding swelling in toluene. Thin Solid Films, 2012, 520, 2293-2300.	1.8	22
16	MAPLE deposition of nanomaterials. Applied Surface Science, 2014, 302, 92-98.	6.1	22
17	A nanobiosensor to detect single hybridization events. Analyst, The, 2009, 134, 2458.	3.5	21
18	Radioactivity resistance evaluation of polymeric materials for application in radiopharmaceutical production at microscale. Microfluidics and Nanofluidics, 2011, 11, 35-44.	2.2	16

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19	Nano-scaled Biomolecular Field-Effect Transistors: Prototypes and Evaluations. <i>Electroanalysis</i> , 2004, 16, 1853-1862.	2.9	15
20	Long-range order induced by cobalt porphyrin adsorption on aminothiophenol-functionalized Au(111): the influence of the induced dipole. <i>Materials Science and Engineering C</i> , 2004, 24, 569-573.	7.3	15
21	Analogy between periodic patterns in thin smectic liquid crystal films and the intermediate state of superconductors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17643-17649.	7.1	15
22	Occupied and unoccupied states of the organic infrared emitters Yb- and Er-tris(8-hydroxyquinoline) studied by photoemission and X-ray absorption. <i>Synthetic Metals</i> , 2004, 142, 293-298.	3.9	13
23	Catalytic oxygen production mediated by smart capsules to modulate elastic turbulence under a laminar flow regime. <i>Lab on A Chip</i> , 2014, 14, 4391-4397.	6.0	13
24	Rectification in Supramolecular Zinc Porphyrin/Fulleropyrrolidine Dyads Self-Organized on Gold(111). <i>ChemPhysChem</i> , 2009, 10, 2633-2641.	2.1	12
25	Fabrication of SU-8 microreactors for radiopharmaceutical production. <i>Microelectronic Engineering</i> , 2011, 88, 1664-1667.	2.4	12
26	Microfluidic motion for a direct investigation of solvent interactions with PDMS microchannels. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 399-409.	2.2	12
27	Fast and safe microwave-assisted glass channel-shaped microstructure fabrication. <i>Lab on A Chip</i> , 2015, 15, 2395-2399.	6.0	12
28	A Protein-Based Three Terminal Electronic Device. <i>Annals of the New York Academy of Sciences</i> , 2003, 1006, 187-197.	3.8	11
29	4f energies in an organic-rare earth guest-host system: the rare earth tris-8-hydroxyquinolines. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 105, 41-43.	3.5	11
30	The influence of polydimethylsiloxane curing ratio on capillary pressure in microfluidic devices. <i>Applied Surface Science</i> , 2012, 258, 8032-8039.	6.1	11
31	Non-Biofouling Fluorinated Block Copolymer Coatings for Contact Lenses. <i>Science of Advanced Materials</i> , 2015, 7, 1387-1394.	0.7	11
32	Influence of laser wavelength and pulse duration on the degradation of polymeric films embedding photochromic molecules. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 183, 182-189.	3.9	10
33	Solvent-related effects in MAPLE mechanism. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 463-471.	2.2	10
34	Zinc Porphyrin-Driven Assembly of Gold Nanofingers. <i>Small</i> , 2008, 4, 497-506.	10.0	8
35	Systematics of the 4f energies in a series of rare-earth organic complexes determined by resonant photoemission. <i>Physical Review B</i> , 2004, 70, .	3.2	7
36	Ex-situ prepared films of 4-aminothiophenol on Au(111): photoemission, NEXAFS and STM measurements. <i>Surface Science</i> , 2005, 580, 63-70.	1.9	7

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37	SFM study of the surface of halogen-bonded hybrid co-crystals containing long-chain perfluorocarbons. <i>CrystEngComm</i> , 2009, 11, 510-515.	2.6	7
38	Highly Sensitive Membrane-Based Pressure Sensors (MePS) for Real-Time Monitoring of Catalytic Reactions. <i>Analytical Chemistry</i> , 2018, 90, 7659-7665.	6.5	7
39	Solâ€“Gel Catalysts as an Efficient Tool for the Kumada-Corriu Reaction in Continuous Flow. <i>Science of Advanced Materials</i> , 2013, 5, 475-483.	0.7	7
40	Azurin for Biomolecular Electronics: a Reliability Study. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 6864-6866.	1.5	6
41	Characterization of functionalised porphyrin films using synchrotron radiation. <i>Applied Surface Science</i> , 2005, 248, 40-44.	6.1	5
42	Photoemission and X-ray absorption spectroscopies of phosphorescent organic iridium complexes. <i>Synthetic Metals</i> , 2005, 153, 233-236.	3.9	5
43	Rectifying behaviour of self assembled porphyrin/fullerene dyads on Au(111). <i>Journal of Physics: Conference Series</i> , 2007, 61, 795-799.	0.4	3
44	Electronic structure of organic films in the first excited states determined using scanning tunneling spectroscopy: An experimental and theoretical study. <i>Physical Review B</i> , 2005, 72, .	3.2	2
45	Characterisation of thin films of organic phosphorescent materials using synchrotron radiation. <i>Applied Surface Science</i> , 2005, 248, 36-39.	6.1	1
46	Hybrid molecular electronic (HME) transistor based on deoxyguanosine derivatives. , 2003, , .		0
47	Metalloprotein-based electronic nanodevices. , 2006, , 9-23.		0
48	Mechanical Behaviour of Hybrid Polymer/Semiconductor Microtubes. <i>Ferroelectrics</i> , 2009, 391, 168-174.	0.6	0