

Ana Ruiz

List of Publications by Year in descending order

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38
papers

1,112
citations

430874

18
h-index

414414

32
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all docs

38
docs citations

38
times ranked

1989
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Fabrication Routes of Metallic Micromembranes for In Situ Mechanical Testing. <i>Metals</i> , 2022, 12, 468.	2.3	0
2	Depth-Sensing Hardness Measurements to Probe Hardening Behaviour and Dynamic Strain Ageing Effects of Iron during Tensile Pre-Deformation. <i>Nanomaterials</i> , 2021, 11, 71.	4.1	6
3	A methodology to investigate heterogeneous oxidation of thermally aged cross-linked polyethylene by ToF-SIMS. <i>Surface and Interface Analysis</i> , 2020, 52, 1178-1184.	1.8	3
4	Stress-strain curves and derived mechanical parameters of P91 steel from spherical nanoindentation at a range of temperatures. <i>Materials and Design</i> , 2020, 194, 108950.	7.0	21
5	Round Robin into Best Practices for the Determination of Indentation Size Effects. <i>Nanomaterials</i> , 2020, 10, 130.	4.1	18
6	High temperature nano-indentation of tungsten: Modelling and experimental validation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 106-113.	5.6	30
7	Indentation size effects of ferritic/martensitic steels: A comparative experimental and modelling study. <i>Materials and Design</i> , 2018, 145, 168-180.	7.0	44
8	Neural Stem Cell Fate Control on Micropatterned Substrates. <i>Neuromethods</i> , 2017, , 19-44.	0.3	3
9	Corrosion and microstructural analysis data for AISI 316L and AISI 347H stainless steels after exposure to a supercritical water environment. <i>Data in Brief</i> , 2016, 7, 1341-1348.	1.0	6
10	Impact of hydrogen on the high cycle fatigue behaviour of Inconel 718 in asymmetric push-pull mode at room temperature. <i>International Journal of Fatigue</i> , 2015, 70, 137-145.	5.7	14
11	Testing H_2O_2 toxicity on primary CNS cultures using drug-screening microfluidic chips. <i>Lab on A Chip</i> , 2014, 14, 2860-2866.	6.0	39
12	Microglia convert aggregated amyloid- β into neurotoxic forms through the shedding of microvesicles. <i>Cell Death and Differentiation</i> , 2014, 21, 582-593.	11.2	219
13	Microcontact printing and microspotting as methods for direct protein patterning on plasma deposited polyethylene oxide: application to stem cell patterning. <i>Biomedical Microdevices</i> , 2013, 15, 495-507.	2.8	24
14	Overflow Microfluidic Networks: Application to the Biochemical Analysis of Brain Cell Interactions in Complex Neuroinflammatory Scenarios. <i>Analytical Chemistry</i> , 2012, 84, 9833-9840.	6.5	25
15	Biofunctionalized Surfaces Controlling Stem Cell Fate Decisions. , 2011, , 267-302.		0
16	Characterization of a Low-Pressure Inductively Coupled Plasma Discharge Sustained in $\text{Ar/O}_2/\text{N}_2$ Ternary Mixtures and Evaluation of its Effect on Erosion of Biological Samples. <i>Plasma Processes and Polymers</i> , 2011, 8, 1137-1145.	3.0	14
17	Quantification of protein immobilization on substrates for cellular microarray applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 245-256.	4.0	6
18	Neural stem cells from human cord blood on bioengineered surfaces—Novel approach to multiparameter bio-tests. <i>Toxicology</i> , 2010, 270, 35-42.	4.2	26

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19	Inactivation of Bacteria and Biomolecules by Low-Pressure Plasma Discharges. <i>Plasma Processes and Polymers</i> , 2010, 7, 327-352.	3.0	137
20	Overflow Microfluidic Networks for Open and Closed Cell Cultures on Chip. <i>Analytical Chemistry</i> , 2010, 82, 3936-3942.	6.5	18
21	Surface Functionalization for Protein and Cell Patterning. , 2009, 117, 109-130.		6
22	Large-Area, Nanoimprint-Assisted Microcontact Stripping for the Fabrication of Microarrays of Fouling/Nonfouling Nanostructures. <i>Small</i> , 2009, 5, 1133-1137.	10.0	3
23	Atomic force microscopy indentation of fluorocarbon thin films fabricated by plasma enhanced chemical deposition at low radio frequency power. <i>Thin Solid Films</i> , 2009, 517, 3310-3314.	1.8	17
24	Surface properties of differently prepared ultrananocrystalline diamond surfaces. <i>Diamond and Related Materials</i> , 2009, 18, 745-749.	3.9	20
25	Fabrication and characterization of protein arrays for stem cell patterning. <i>Soft Matter</i> , 2009, 5, 1406.	2.7	30
26	Micro-stamped surfaces for the patterned growth of neural stem cells. <i>Biomaterials</i> , 2008, 29, 4766-4774.	11.4	95
27	Stem-cell culture on patterned bio-functional surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 1649-1657.	3.5	11
28	Large-area protein nano-arrays patterned by soft lithography. <i>Nanotechnology</i> , 2007, 18, 505306.	2.6	14
29	Silicon μ-preconcentrator for improved gas detection. , 2007, , .		0
30	Fabrication and Characterization of Plasma Processed Surfaces with Tuned Wettability. <i>Langmuir</i> , 2007, 23, 12984-12989.	3.5	46
31	Controlled micropatterning of biomolecules for cell culturing. <i>Microelectronic Engineering</i> , 2007, 84, 1733-1736.	2.4	24
32	Improvement of the gas sensor response via silicon $\frac{1}{4}$ -preconcentrator. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 288-294.	7.8	23
33	Microsystems for the agrofood field. <i>Journal of Physics: Conference Series</i> , 2005, 10, 267-272.	0.4	2
34	Study of the influence of Nb content and sintering temperature on TiO ₂ sensing films. <i>Thin Solid Films</i> , 2003, 436, 90-94.	1.8	64
35	Nanosized Nb-TiO ₂ / gas sensors derived from alkoxides hydrolization. <i>IEEE Sensors Journal</i> , 2003, 3, 189-194.	4.7	19
36	Surface activation by Pt-nanoclusters on titania for gas sensing applications. <i>Materials Science and Engineering C</i> , 2002, 19, 105-109.	7.3	82

#	ARTICLE	IF	CITATIONS
37	Impact of High-Pressure Gaseous Hydrogen on the Fatigue Behaviour of Austenitic Steel A-286 under Asymmetric Loading Conditions. Key Engineering Materials, 0, 664, 156-167.	0.4	0
38	Elimination of Pathogenic Biological Residuals by Means of Low-Pressure Inductively Coupled Plasma Discharge. , 0, , 193-199.		3