

Fabio Domenici

List of Publications by Year in descending order

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56
papers

906
citations

430442

18
h-index

525886

27
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57
all docs

57
docs citations

57
times ranked

1398
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-enhanced Raman scattering detection of wild-type and mutant p53 proteins at very low concentration in human serum. <i>Analytical Biochemistry</i> , 2012, 421, 9-15.	1.1	70
2	Exploring the Potentiality of a SERS-Active pH Nano-Biosensor. <i>Frontiers in Chemistry</i> , 2019, 7, 413.	1.8	51
3	Aptamer-based sandwich assay for on chip detection of Ochratoxin A by an array of amorphous silicon photosensors. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 31-39.	4.0	48
4	Graphene Meets Microbubbles: A Superior Contrast Agent for Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16465-16475.	4.0	47
5	Folate-based single cell screening using surface enhanced Raman microimaging. <i>Nanoscale</i> , 2016, 8, 17304-17313.	2.8	40
6	On-chip detection of multiple serum antibodies against epitopes of celiac disease by an array of amorphous silicon sensors. <i>RSC Advances</i> , 2014, 4, 2073-2080.	1.7	38
7	SERS-based nanobiosensing for ultrasensitive detection of the p53 tumor suppressor. <i>International Journal of Nanomedicine</i> , 2011, 6, 2033.	3.3	34
8	Azurin modulates the association of Mdm2 with p53: SPR evidence from interaction of the full-length proteins. <i>Journal of Molecular Recognition</i> , 2011, 24, 707-714.	1.1	26
9	Next generation ultrasound platforms for theranostics. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 151-160.	5.0	26
10	Interaction of p53 with Mdm2 and azurin as studied by atomic force spectroscopy. <i>Journal of Molecular Recognition</i> , 2010, 23, 343-351.	1.1	25
11	InÂvivo biological fate of poly(vinylalcohol) microbubbles in mice. <i>Heliyon</i> , 2018, 4, e00770.	1.4	24
12	Assembling patchy plasmonic nanoparticles with aggregation-dependent antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 419-428.	5.0	24
13	Polyvinyl alcohol based hydrogels as new tunable materials for application in the cultural heritage field. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110777.	2.5	24
14	Dimensional scale effects on surface enhanced Raman scattering efficiency of self-assembled silver nanoparticle clusters. <i>Applied Physics Letters</i> , 2014, 105, 073105.	1.5	23
15	Azo-pigments effect on UV degradation of contemporary art pictorial film: A FTIR-NMR combination study. <i>Polymer Degradation and Stability</i> , 2017, 140, 74-83.	2.7	23
16	Mid-Infrared Surface Plasmon Polariton Sensors Resonant with the Vibrational Modes of Phospholipid Layers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19119-19126.	1.5	22
17	Ultrasound well below the intensity threshold of cavitation can promote efficient uptake of small drug model molecules in fibroblast cells. <i>Drug Delivery</i> , 2013, 20, 285-295.	2.5	22
18	Engineering microscale two-dimensional gold nanoparticle cluster arrays for advanced Raman sensing: An AFM study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 498, 168-175.	2.3	20

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19	Resonating Terahertz Response of Periodic Arrays of Subwavelength Apertures. <i>Plasmonics</i> , 2015, 10, 45-50.	1.8	19
20	Performances of a Pristine Graphene-Microbubble Hybrid Construct as Dual Imaging Contrast Agent and Assessment of Its Biodistribution by Photoacoustic Imaging. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800066.	1.2	17
21	Phase Change Ultrasound Contrast Agents with a Photopolymerized Diacetylene Shell. <i>Langmuir</i> , 2019, 35, 10116-10127.	1.6	17
22	Spectroscopy for contemporary art: Discovering the effect of synthetic organic pigments on UVB degradation of acrylic binder. <i>Polymer Degradation and Stability</i> , 2019, 159, 224-228.	2.7	17
23	Long-term physical evolution of an elastomeric ultrasound contrast microbubble. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 185-196.	5.0	16
24	Structural and permeability sensitivity of cells to low intensity ultrasound: Infrared and fluorescence evidence in vitro. <i>Ultrasonics</i> , 2014, 54, 1020-1028.	2.1	14
25	Complex interfaces in phase-change contrast agents. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8378-8388.	1.3	14
26	Ultrasound delivery of Surface Enhanced InfraRed Absorption active gold-nanoprobes into fibroblast cells: a biological study via Synchrotron-based InfraRed microanalysis at single cell level. <i>Scientific Reports</i> , 2019, 9, 11845.	1.6	14
27	Drugs/lamellae interface influences the inner structure of double-loaded liposomes for inhaled anti-TB therapy: An in-depth small-angle neutron scattering investigation. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 399-406.	5.0	13
28	Antifolate SERS-active nanovectors: quantitative drug nanostructuring and selective cell targeting for effective theranostics. <i>Nanoscale</i> , 2019, 11, 15224-15233.	2.8	12
29	A New Nanostructured Stationary Phase for Ultra-Thin Layer Chromatography: A Brush-Gel Polymer Film. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 1155-1163.	0.4	11
30	Prolate and Temperature-Responsive Self-Assemblies of Amphiphilic Random Copolymers with Perfluoroalkyl and Polyoxyethylene Side Chains in Solution. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800210.	1.1	11
31	PLGA based particles as drug reservoir for antitumor drug delivery: characterization and cytotoxicity studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 495-502.	2.5	10
32	Evaluating the influence of paper characteristics on the efficacy of new poly(vinyl alcohol) based hydrogels for cleaning modern and ancient paper. <i>Microchemical Journal</i> , 2020, 155, 104716.	2.3	10
33	Temperature-dependent structural changes on DDAB surfactant assemblies evidenced by energy dispersive X-ray diffraction and dynamic light scattering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 170-177.	2.5	9
34	Potential genotoxic effects of low-intensity ultrasound on fibroblasts, evaluated with the cytokinesis-block micronucleus assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 772, 20-24.	0.9	9
35	Differential effects on membrane permeability and viability of human keratinocyte cells undergoing very low intensity megasonic fields. <i>Scientific Reports</i> , 2017, 7, 16536.	1.6	9
36	Alamethicin-lipid interaction studied by energy dispersive X-ray diffraction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 69, 216-220.	2.5	8

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37	Effect of 1-MHz ultrasound on the proinflammatory interleukin-6 secretion in human keratinocytes. <i>Scientific Reports</i> , 2021, 11, 19033.	1.6	8
38	Ordering and lyotropic behavior of a silicon-supported cationic and neutral lipid system studied by neutron reflectivity. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	7
39	Temperature-Tunable Nanoparticles for Selective Biointerface. <i>Biomacromolecules</i> , 2015, 16, 1753-1760.	2.6	6
40	Nanodiamond: A New Tool for Artificial Pinning Center Introduction in YBCO Films Obtained Through Chemical Solution Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.1	6
41	Microgel Particles with Distinct Morphologies and Common Chemical Compositions: A Unified Description of the Responsivity to Temperature and Osmotic Stress. <i>Gels</i> , 2020, 6, 34.	2.1	6
42	Understanding the Temperature-Responsive Self-Assemblies of Amphiphilic Random Copolymers by SANS in D ₂ O Solution. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000447.	1.1	6
43	Ultrasound-assisted investigation of photon triggered vaporization of poly(vinylalcohol) phase-change nanodroplets: A preliminary concept study with dosimetry perspective. <i>Physica Medica</i> , 2021, 89, 232-242.	0.4	6
44	Improved hybrid-shelled perfluorocarbon microdroplets as ultrasound- and laser-activated phase-change platform. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128522.	2.3	6
45	Vertical ordering sensitivity of solid supported DPPC membrane to alamethicin and the related loss of cell viability. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 759-768.	1.1	5
46	In vitro analysis of the trajectories of adhesive microbubbles approaching endothelial cells. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 758-767.	5.0	5
47	Ultrasound-Stimulated PVA Microbubbles for Adhesive Removal from Cellulose-Based Materials: A Groundbreaking Low-Impact Methodology. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24207-24217.	4.0	5
48	Silicon supported lipid-DNA thin film structures at varying temperature studied by energy dispersive X-ray diffraction and neutron reflectivity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 432-439.	2.5	4
49	Self-assembled nanoparticle aggregates: Organizing disorder for high performance surface-enhanced spectroscopy. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	4
50	Nanodiamond addition to chemical solution deposited YBa ₂ Cu ₃ O _{7-δ} film: effect on structural and superconducting properties. <i>Thin Solid Films</i> , 2020, 693, 137696.	0.8	4
51	Design and physicochemical characterization of novel hybrid SLN-liposome nanocarriers for the smart co-delivery of two antitubercular drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103206.	1.4	4
52	Polyamine Oxidase Is Involved in Spermidine Reduction of Transglutaminase Type 2-Catalyzed ¹²⁵ I-Crystallins Polymerization in Calcium-Induced Experimental Cataract. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5427.	1.8	3
53	Differential Fano interference spectroscopy of subwavelength hole arrays for mid-infrared mass sensors. , 2013, , .		1
54	Gold nanoparticle cluster arrays for advanced optical sensing: an AFM study. , 2015, , .		1

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55	Phase Change Dimethyldioctadecylammonium-Shelled Microdroplets as a Promising Drug Delivery System: Results on 3D Spheroids of Mammalian Tumor Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
56	Ultrasound-assisted carbon ion dosimetry and range measurement using injectable polymer-shelled phase-change nanodroplets: in vitro study. <i>Scientific Reports</i> , 2022, 12, 8012.	1.6	1