

Marco De Spirito

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

4,709
citations

38
h-index

55
g-index

268
ext. papers

5,704
ext. citations

3.8
avg, IF

5.54
L-index

#	Paper	IF	Citations
214	Label-free spectroscopic characterization of exosomes reveals cancer cell differentiation.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 339359	6.6	0
213	Post mortem computed tomography meets radiomics: a case series on fractal analysis of post mortem changes in the brain.. <i>International Journal of Legal Medicine</i> , 2022 , 136, 719	3.1	0
212	Personalized Self-Monitoring of Energy Balance through Integration in a Web-Application of Dietary, Anthropometric, and Physical Activity Data.. <i>Journal of Personalized Medicine</i> , 2022 , 12,	3.6	3
211	Automated detection and classification of tumor histotypes on dynamic PET imaging data through machine-learning driven voxel classification.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105423	7	5
210	Investigation of DHA-Induced Regulation of Redox Homeostasis in Retinal Pigment Epithelium Cells through the Combination of Metabolic Imaging and Molecular Biology. <i>Antioxidants</i> , 2022 , 11, 1072 ^{7.1}	7.1	4
209	Unsupervised Clustering of Heartbeat Dynamics Allows for Real Time and Personalized Improvement in Cardiovascular Fitness. <i>Sensors</i> , 2022 , 22, 3974	3.8	3
208	Recurrence quantification analysis of heart rate variability to detect both ventilatory thresholds. <i>PLoS ONE</i> , 2021 , 16, e0249504	3.7	5
207	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. <i>Analytica Chimica Acta</i> , 2021 , 1148, 238173	6.6	7
206	Visco-Hyperelastic Characterization of the Equine Immature Zona Pellucida. <i>Materials</i> , 2021 , 14,	3.5	1
205	Investigation of the Membrane Fluidity Regulation of Fatty Acid Intracellular Distribution by Fluorescence Lifetime Imaging of Novel Polarity Sensitive Fluorescent Derivatives. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
204	Face masks and nanotechnology: Keep the blue side up. <i>Nano Today</i> , 2021 , 37, 101077	17.9	36
203	Recent Advances in the Label-Free Characterization of Exosomes for Cancer Liquid Biopsy: From Scattering and Spectroscopy to Nanoindentation and Nanodevices. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
202	Erythrocyte membrane fluidity as a marker of diabetic retinopathy in type 1 diabetes mellitus. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13455	4.6	6
201	A field strength independent MR radiomics model to predict pathological complete response in locally advanced rectal cancer. <i>Radiologia Medica</i> , 2021 , 126, 421-429	6.5	30
200	Nuclear Localization of PTTG1 Promotes Migration and Invasion of Seminoma Tumor through Activation of MMP-2. <i>Cancers</i> , 2021 , 13,	6.6	2
199	Evaluation of a generalized knowledge-based planning performance for VMAT irradiation of breast and locoregional lymph nodes-Internal mammary and/or supraclavicular regions. <i>PLoS ONE</i> , 2021 , 16, e0245305	3.7	4
198	Functionalized Graphene Quantum Dots Modulate Malignancy of Glioblastoma Multiforme by Downregulating Neurospheres Formation. <i>Journal of Carbon Research</i> , 2021 , 7, 4	3.3	0

197	Graphene nanoplatelet and graphene oxide functionalization of face mask materials inhibits infectivity of trapped SARS-CoV-2. <i>IScience</i> , 2021 , 24, 102788	6.1	22
196	Attenuated total reflection-Fourier transform infrared spectroscopy (ATR-FTIR) detection as a rapid and convenient screening test for cystinuria. <i>Clinica Chimica Acta</i> , 2021 , 518, 128-133	6.2	2
195	In situ N-acetylcysteine release from polyvinyl alcohol film for moisture-activated food packaging. <i>Food Packaging and Shelf Life</i> , 2021 , 29, 100694	8.2	0
194	Estimation of the time of death by measuring the variation of lateral cerebral ventricle volume and cerebrospinal fluid radiodensity using postmortem computed tomography. <i>International Journal of Legal Medicine</i> , 2021 , 135, 2615-2623	3.1	1
193	Laser-Mediated antibacterial effects of Few- and Multi-Layer Ti3C2Tx MXenes. <i>Applied Surface Science</i> , 2021 , 567, 150795	6.7	9
192	Unravelling the Potential of Graphene Quantum Dots in Biomedicine and Neuroscience. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	36
191	3D Graphene Scaffolds for Skeletal Muscle Regeneration: Future Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 383	5.8	12
190	Reliability of ITV approach to varying treatment fraction time: a retrospective analysis based on 2D cine MR images. <i>Radiation Oncology</i> , 2020 , 15, 152	4.2	7
189	A time-dependent study of nano-mechanical and ultrastructural properties of internal limiting membrane under ocriplasmin treatment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 110, 103853	4.1	4
188	Graphene-based scaffolds for tissue engineering and photothermal therapy. <i>Nanomedicine</i> , 2020 , 15, 1411-1417	5.6	15
187	Graphene Oxide Nano-Concentrators Selectively Modulate RNA Trapping According to Metal Cations in Solution. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 421	5.8	3
186	3D-printed graphene for bone reconstruction. <i>2D Materials</i> , 2020 , 7, 022004	5.9	12
185	Altered mitochondrial function in cells carrying a premutation or unmethylated full mutation of the FMR1 gene. <i>Human Genetics</i> , 2020 , 139, 227-245	6.3	11
184	Recurrence quantification analysis of heart rate variability during continuous incremental exercise test in obese subjects. <i>Chaos</i> , 2020 , 30, 033135	3.3	6
183	Unsupervised clustering of multiparametric fluorescent images extends the spectrum of detectable cell membrane phases with sub-micrometric resolution. <i>Biomedical Optics Express</i> , 2020 , 11, 5728-5744	3.5	6
182	On the Role of Human Umbilical Cord Biomechanics. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020 , 81-86	0.3	
181	Machine-learning assisted confocal imaging of intracellular sites of triglycerides and cholesteryl esters formation and storage. <i>Analytica Chimica Acta</i> , 2020 , 1121, 57-66	6.6	9
180	Fourier Transform Infrared Spectroscopy as a useful tool for the automated classification of cancer cell-derived exosomes obtained under different culture conditions. <i>Analytica Chimica Acta</i> , 2020 , 1140, 219-227	6.6	9

179	External Validation of Early Regression Index (ERI) as Predictor of Pathologic Complete Response in Rectal Cancer Using Magnetic Resonance-Guided Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 1347-1356	4	21
178	Graphene Oxide-Linezolid Combination as Potential New Anti-Tuberculosis Treatment. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
177	An evaluation of the objectivity and reproducibility of shear wave elastography in estimating the post-mortem interval: a tissue biomechanical perspective. <i>International Journal of Legal Medicine</i> , 2020 , 134, 1939-1948	3.1	5
176	Searching for the Mechanical Fingerprint of Pre-diabetes in T1DM: A Case Report Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 569978	5.8	1
175	Enhanced Chemotherapy for Glioblastoma Multiforme Mediated by Functionalized Graphene Quantum Dots. <i>Materials</i> , 2020 , 13,	3.5	6
174	Graphene Quantum Dots Surface Chemistry Modulates the Sensitivity of Glioblastoma Cells to Chemotherapeutics. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
173	Living optical random neural network with three dimensional tumor spheroids for cancer morphodynamics. <i>Communications Physics</i> , 2020 , 3,	5.4	3
172	Erythrocyte viscoelastic recovery after liver transplantation in a cirrhotic patient affected by spur cell anaemia. <i>Journal of Microscopy</i> , 2020 , 280, 287-296	1.9	3
171	Characterization of an inorganic scintillator for small-field dosimetry in MR-guided radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2020 , 21, 244-251	2.3	5
170	Serum immunoglobulin free light chain levels in systemic autoimmune rheumatic diseases. <i>Clinical and Experimental Immunology</i> , 2020 , 199, 163-171	6.2	11
169	On the accuracy of bulk synthetic CT for MR-guided online adaptive radiotherapy. <i>Radiologia Medica</i> , 2020 , 125, 157-164	6.5	8
168	Evaluation of a simplified optimizer for MR-guided adaptive RT in case of pancreatic cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 20-30	2.3	8
167	Carbon nanomaterials: a new way against tuberculosis. <i>Expert Review of Medical Devices</i> , 2019 , 16, 863-875	3.5	11
166	Graphene oxide touches blood: in vivo interactions of bio-coronated 2D materials. <i>Nanoscale Horizons</i> , 2019 , 4, 273-290	10.8	58
165	A novel method for post-mortem interval estimation based on tissue nano-mechanics. <i>International Journal of Legal Medicine</i> , 2019 , 133, 1133-1139	3.1	13
164	Biocompatible N-acetyl cysteine reduces graphene oxide and persists at the surface as a green radical scavenger. <i>Chemical Communications</i> , 2019 , 55, 4186-4189	5.8	15
163	Inhibition of Transglutaminase 2 as a Potential Host-Directed Therapy Against. <i>Frontiers in Immunology</i> , 2019 , 10, 3042	8.4	4
162	Nanomechanical mapping helps explain differences in outcomes of eye microsurgery: A comparative study of macular pathologies. <i>PLoS ONE</i> , 2019 , 14, e0220571	3.7	11

161	The biomechanics of the umbilical cord Wharton Jelly: Roles in hemodynamic proficiency and resistance to compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 100, 103377-4.1	4	4
160	Efficient Spatial Sampling for AFM-Based Cancer Diagnostics: A Comparison between Neural Networks and Conventional Data Analysis. <i>Condensed Matter</i> , 2019 , 4, 58	1.8	6
159	Red blood cells membrane micropolarity as a novel diagnostic indicator of type 1 and type 2 diabetes. <i>Analytica Chimica Acta: X</i> , 2019 , 3, 100030	2.2	7
158	Dynamic structural determinants underlie the neurotoxicity of the N-terminal tau 26-44 peptide in Alzheimer's disease and other human tauopathies. <i>International Journal of Biological Macromolecules</i> , 2019 , 141, 278-289	7.9	11
157	Optical neural network for cancer morphodynamics sensing 2019 ,		1
156	Graphene oxide prevents mycobacteria entry into macrophages through extracellular entrapment. <i>Nanoscale Advances</i> , 2019 , 1, 1421-1431	5.1	17
155	Hexadecenoic Fatty Acid Positional Isomers and De Novo PUFA Synthesis in Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	22
154	Low-Intensity Ultrasound Induces Thermodynamic Phase Separation of Cell Membranes through a Nucleation-Condensation Process. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 1143-1150	3.5	9
153	Optical Neural Network by Disordered Tumor Spheroids 2019 ,		1
152	A protein chimera self-assembling unit for drug delivery. <i>Biotechnology Progress</i> , 2019 , 35, e2769	2.8	1
151	Delta radiomics for rectal cancer response prediction with hybrid 0.35 T magnetic resonance-guided radiotherapy (MRgRT): a hypothesis-generating study for an innovative personalized medicine approach. <i>Radiologia Medica</i> , 2019 , 124, 145-153	6.5	70
150	Curcumin-loaded graphene oxide flakes as an effective antibacterial system against methicillin-resistant. <i>Interface Focus</i> , 2018 , 8, 20170059	3.9	46
149	Real time quantitative analysis of lipid storage and lipolysis pathways by confocal spectral imaging of intracellular micropolarity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 783-793	5	15
148	Antibacterial Properties of Curcumin Loaded Graphene Oxide Flakes. <i>Biophysical Journal</i> , 2018 , 114, 362a	2.9	3
147	Systemic profiling of ectopic fat deposits in the reproductive tract of dairy cows. <i>Theriogenology</i> , 2018 , 114, 46-53	2.8	5
146	Hybrid Tri-Co-60 MRI radiotherapy for locally advanced rectal cancer: An evaluation. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2018 , 6, 5-10	1.9	11
145	Predicting tumour motion during the whole radiotherapy treatment: a systematic approach for thoracic and abdominal lesions based on real time MR. <i>Radiotherapy and Oncology</i> , 2018 , 129, 456-462	5.3	45
144	Experimental evaluation of the impact of low tesla transverse magnetic field on dose distribution in presence of tissue interfaces. <i>Physica Medica</i> , 2018 , 53, 80-85	2.7	15

143	Fractal-based radiomic approach to predict complete pathological response after chemo-radiotherapy in rectal cancer. <i>Radiologia Medica</i> , 2018 , 123, 286-295	6.5	68
142	Reduction and shaping of graphene-oxide by laser-printing for controlled bone tissue regeneration and bacterial killing. <i>2D Materials</i> , 2018 , 5, 015027	5.9	25
141	Transglutaminase type 2 plays a key role in the pathogenesis of Mycobacterium tuberculosis infection. <i>Journal of Internal Medicine</i> , 2018 , 283, 303-313	10.8	11
140	146. Comparing group based and patient specific cone-beam CT intensity correction methods for VMAT dose recalculations. <i>Physica Medica</i> , 2018 , 56, 155	2.7	
139	Graphene oxide coatings prevent Candida albicans biofilm formation with a controlled release of curcumin-loaded nanocomposites. <i>Nanomedicine</i> , 2018 , 13, 2867-2879	5.6	42
138	Graphene Oxide Induced Osteogenesis Quantification by In-Situ 2D-Fluorescence Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	10
137	Quantitative imaging of membrane micropolarity in living cells and tissues by spectral phasors analysis. <i>MethodsX</i> , 2018 , 5, 1399-1412	1.9	6
136	PE_PGRS3 of Mycobacterium tuberculosis is specifically expressed at low phosphate concentration, and its arginine-rich C-terminal domain mediates adhesion and persistence in host tissues when expressed in Mycobacterium smegmatis. <i>Cellular Microbiology</i> , 2018 , 20, e12952	3.9	12
135	A decision support system for type 1 diabetes mellitus diagnostics based on dual channel analysis of red blood cell membrane fluidity. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 162, 263-271	6.9	20
134	Nanoscale mechanics of brain abscess: An atomic force microscopy study. <i>Micron</i> , 2018 , 113, 34-40	2.3	11
133	Bacteria Meet Graphene: Modulation of Graphene Oxide Nanosheet Interaction with Human Pathogens for Effective Antimicrobial Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 619-627	5.5	85
132	Edyostroglycan hypoglycosylation affects cell migration by influencing Edyostroglycan membrane clustering and filopodia length: A multiscale confocal microscopy analysis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 2182-2191	6.9	8
131	Differentiation Affects the Release of Exosomes from Colon Cancer Cells and Their Ability to Modulate the Behavior of Recipient Cells. <i>American Journal of Pathology</i> , 2017 , 187, 1633-1647	5.8	34
130	The graphene oxide contradictory effects against human pathogens. <i>Nanotechnology</i> , 2017 , 28, 152001	3.4	68
129	Nanoindentation characterisation of human colorectal cancer cells considering cell geometry, surface roughness and hyperelastic constitutive behaviour. <i>Nanotechnology</i> , 2017 , 28, 045703	3.4	13
128	EPID-based in vivo dosimetry for stereotactic body radiotherapy of non-small cell lung tumors: Initial clinical experience. <i>Physica Medica</i> , 2017 , 42, 157-161	2.7	12
127	A fully-automated neural network analysis of AFM force-distance curves for cancer tissue diagnosis. <i>Applied Physics Letters</i> , 2017 , 111, 143701	3.4	27
126	Phase separation of the plasma membrane in human red blood cells as a potential tool for diagnosis and progression monitoring of type 1 diabetes mellitus. <i>PLoS ONE</i> , 2017 , 12, e0184109	3.7	13

125	Different effects of matrix degrading enzymes towards biofilms formed by <i>E. faecalis</i> and <i>E. faecium</i> clinical isolates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 349-355	6	16
124	INSIDIA: A FIJI Macro Delivering High-Throughput and High-Content Spheroid Invasion Analysis. <i>Biotechnology Journal</i> , 2017 , 12, 1700140	5.6	16
123	Nano-Mechanical Response of Red Blood Cells. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017 , 11-16	0.3	4
122	Viscohyperelastic Calibration in Mechanical Characterization of Soft Matter. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017 , 33-37	0.3	
121	Mechanic Adaptability of Metastatic Cells in Colon Cancer. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017 , 1-9	0.3	
120	In vitro effect of clarithromycin and alginate lyase against helicobacter pylori biofilm. <i>Biotechnology Progress</i> , 2016 , 32, 1584-1591	2.8	15
119	Nano-mechanical signature of brain tumours. <i>Nanoscale</i> , 2016 , 8, 19629-19643	7.7	47
118	Debris of carbon-fibers originated from a CFRP (pEEK) wrist-plate triggered a destruent synovitis in human. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 50	4.5	8
117	Recent advances in superhydrophobic surfaces and their relevance to biology and medicine. <i>Bioinspiration and Biomimetics</i> , 2016 , 11, 011001	2.6	34
116	A Deeper Look Into Immature Porcine Zona Pellucida Visco-hyperelasticity. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2016 , 85-89	0.3	1
115	Placental Chemokine Receptor D6 Is Functionally Impaired in Pre-Eclampsia. <i>PLoS ONE</i> , 2016 , 11, e0164737	3.7	4
114	Changes in cellular mechanical properties during onset or progression of colorectal cancer. <i>World Journal of Gastroenterology</i> , 2016 , 22, 7203-14	5.6	33
113	Estradiol protective role in atherogenesis through LDL structure modification. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 285402	3	1
112	Biomimetic antimicrobial cloak by graphene-oxide agar hydrogel. <i>Scientific Reports</i> , 2016 , 6, 12	4.9	111
111	Imaging Reactive Oxygen Species-Induced Modifications in Living Systems. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 939-58	8.4	38
110	Fatty acid-related modulations of membrane fluidity in cells: detection and implications. <i>Free Radical Research</i> , 2016 , 50, S40-S50	4	68
109	The future development of bacteria fighting medical devices: the role of graphene oxide. <i>Expert Review of Medical Devices</i> , 2016 , 13, 1013-1019	3.5	63
108	ER stress induced by the OCH1 mutation triggers changes in lipid homeostasis in <i>Kluyveromyces lactis</i> . <i>Research in Microbiology</i> , 2015 , 166, 84-92	4	6

107	Controlling DNA Bundle Size and Spatial Arrangement in Self-assembled Arrays on Superhydrophobic Surface. <i>Nano-Micro Letters</i> , 2015 , 7, 146-151	19.5	7
106	An integrated superhydrophobic-plasmonic biosensor for mid-infrared protein detection at the femtomole level. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 21337-42	3.6	21
105	Effect of AFM probe geometry on visco-hyperelastic characterization of soft materials. <i>Nanotechnology</i> , 2015 , 26, 325701	3.4	20
104	Mechanical and structural comparison between primary tumor and lymph node metastasis cells in colorectal cancer. <i>Soft Matter</i> , 2015 , 11, 5719-26	3.6	54
103	Stearoyl-CoA desaturase 1 and paracrine diffusible signals have a major role in the promotion of breast cancer cell migration induced by cancer-associated fibroblasts. <i>British Journal of Cancer</i> , 2015 , 112, 1675-86	8.7	28
102	In vitro effect of temperature on the conformational structure and collagen binding of SdrF, a Staphylococcus epidermidis adhesin. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 5593-603	5.7	4
101	Plasma protein corona reduces the haemolytic activity of graphene oxide nano and micro flakes. <i>RSC Advances</i> , 2015 , 5, 81638-81641	3.7	44
100	Quantitative analysis of autophagic flux by confocal pH-imaging of autophagic intermediates. <i>Autophagy</i> , 2015 , 11, 1905-16	10.2	49
99	Mapping viscoelastic properties of healthy and pathological red blood cells at the nanoscale level. <i>Nanoscale</i> , 2015 , 7, 17030-7	7.7	65
98	Human IgG Antinuclear Antibodies Induce Pregnancy Loss in Mice by Increasing Immune Complex Deposition in Placental Tissue: In Vivo Study. <i>American Journal of Reproductive Immunology</i> , 2015 , 74, 542-52	3.8	18
97	VP6-SUMO Self-Assembly as Nanocarriers for Gastrointestinal Delivery. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	6
96	Effect of Alginate Lyase on Biofilm-Grown Helicobacter pylori Probed by Atomic Force Microscopy. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-9	2.4	228
95	A Preliminary Investigation on the Mechanical Behavior of Umbilical Cord With Moiré Techniques. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2015 , 47-52	0.3	
94	Study on the Visco-Hyperelastic Behavior of the Zona Pellucida. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2015 , 53-62	0.3	0
93	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 740, 138-146	1.2	8
92	Dynamic light scattering for the characterization and counting of extracellular vesicles: a powerful noninvasive tool. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	60
91	Controlling the Cassie-to-Wenzel Transition: an Easy Route towards the Realization of Tridimensional Arrays of Biological Objects. <i>Nano-Micro Letters</i> , 2014 , 6, 280-286	19.5	11
90	Celiac disease and reproductive disorders: meta-analysis of epidemiologic associations and potential pathogenic mechanisms. <i>Human Reproduction Update</i> , 2014 , 20, 582-93	15.8	84

89	Assessing the feasibility of volumetric-modulated arc therapy using simultaneous integrated boost (SIB-VMAT): An analysis for complex head-neck, high-risk prostate and rectal cancer cases. <i>Medical Dosimetry</i> , 2014 , 39, 108-16	1.3	22
88	Time evolution of noise induced oxidation in outer hair cells: role of NAD(P)H and plasma membrane fluidity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2192-202	4	40
87	Quantitative assessment of the relationship between cellular morphodynamics and signaling events by stochastic analysis of fluorescent images. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1198-207	0.5	3
86	Impact of protein domains on PE_PGRS30 polar localization in Mycobacteria. <i>PLoS ONE</i> , 2014 , 9, e112482	3.7	22
85	Novel fluorescent security marker. Part II: application of novel 6-alkoxy-2-amino-3,5-pyridinedicarbonitrile nanoparticles in safety paper. <i>RSC Advances</i> , 2014 , 4, 59614-59625	3.7	10
84	Biomechanical investigation of colorectal cancer cells. <i>Applied Physics Letters</i> , 2014 , 105, 123701	3.4	30
83	A hybrid characterization framework to determine the visco-hyperelastic properties of a porcine zona pellucida. <i>Interface Focus</i> , 2014 , 4, 20130066	3.9	29
82	Gelatin tannate ameliorates acute colitis in mice by reinforcing mucus layer and modulating gut microbiota composition: Emerging role for gut barrier protectors in IBD?. <i>United European Gastroenterology Journal</i> , 2014 , 2, 113-22	5.3	21
81	Misfolding of apoprotein B-100, LDL aggregation and 17- β -estradiol in atherogenesis. <i>Current Medicinal Chemistry</i> , 2014 , 21, 2276-83	4.3	8
80	Controlling the Cassie-to-Wenzel Transition: an Easy Route towards the Realization of Tridimensional Arrays of Biological Objects		1
79	Crystallin modulates its chaperone activity by varying the exposed surface. <i>ChemBioChem</i> , 2013 , 14, 2362-70	3.8	9
78	Applicator-guided volumetric-modulated arc therapy for low-risk endometrial cancer. <i>Medical Dosimetry</i> , 2013 , 38, 5-11	1.3	11
77	Self-assembling of large ordered DNA arrays using superhydrophobic patterned surfaces. <i>Nanotechnology</i> , 2013 , 24, 495302	3.4	25
76	A fast and quantitative evaluation of the <i>Aspergillus fumigatus</i> biofilm adhesion properties by means of digital pulsed force mode. <i>Applied Surface Science</i> , 2013 , 279, 409-415	6.7	10
75	Mycobacterium tuberculosis may escape helper T cell recognition by infecting human fibroblasts. <i>Human Immunology</i> , 2013 , 74, 722-9	2.3	14
74	Potential new mechanisms of placental damage in celiac disease: anti-transglutaminase antibodies impair human endometrial angiogenesis. <i>Biology of Reproduction</i> , 2013 , 89, 88	3.9	22
73	Viscous forces are predominant in the zona pellucida mechanical resistance. <i>Applied Physics Letters</i> , 2013 , 102, 043703	3.4	20
72	The type 2B p.R1306W natural mutation of von Willebrand factor dramatically enhances the multimer sensitivity to shear stress. <i>Journal of Thrombosis and Haemostasis</i> , 2013 , 11, 1688-98	15.4	15

71	Effect of the residual stress on soft sample nanoindentation. <i>Applied Physics Letters</i> , 2013 , 102, 133704	3.4	21
70	In vitro interaction between alginate lyase and amphotericin B against <i>Aspergillus fumigatus</i> biofilm determined by different methods. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 1275-82	5.9	43
69	Leuprorelin acetate long-lasting effects on GnRH receptors of prostate cancer cells: an atomic force microscopy study of agonist/receptor interaction. <i>PLoS ONE</i> , 2013 , 8, e52530	3.7	14
68	PE_PGRS30 is required for the full virulence of <i>Mycobacterium tuberculosis</i> . <i>Cellular Microbiology</i> , 2012 , 14, 356-67	3.9	73
67	Novel fluorescent security marker. Part I: morphological and optical properties of 2-amino-6-ethoxy-4-[4-(4-morpholinyl)phenyl]-3,5-pyridinedicarbonitrile nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	7
66	Impact of electronegative low-density lipoprotein on angiographic coronary atherosclerotic burden. <i>Atherosclerosis</i> , 2012 , 223, 166-70	3.1	11
65	Detection of biofilm-grown <i>Aspergillus fumigatus</i> by means of atomic force spectroscopy: ultrastructural effects of alginate lyase. <i>Microscopy and Microanalysis</i> , 2012 , 18, 1088-94	0.5	19
64	The thermal structural transition of alpha-crystallin modulates subunit interactions and increases protein solubility. <i>PLoS ONE</i> , 2012 , 7, e30705	3.7	4
63	Whole-depth change in bovine zona pellucida biomechanics after fertilization: how relevant in hindering polyspermy?. <i>PLoS ONE</i> , 2012 , 7, e45696	3.7	28
62	Epithelial-stromal interactions in human breast cancer: effects on adhesion, plasma membrane fluidity and migration speed and directness. <i>PLoS ONE</i> , 2012 , 7, e50804	3.7	70
61	Daily On-Line Set-Up Correction in 3D-Conformal Radiotherapy: Is It Feasible?. <i>Tumori</i> , 2012 , 98, 441-444	1.7	18
60	Janus-faced liposomes enhance antimicrobial innate immune response in <i>Mycobacterium tuberculosis</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1360-8	11.5	44
59	Volumetric modulated arc therapy with simultaneous integrated boost for locally advanced rectal cancer. <i>Clinical Oncology</i> , 2012 , 24, 261-8	2.8	28
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