

Marco De Spirito

List of Publications by Citations

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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	Effect of Alginate Lyase on Biofilm-Grown <i>Helicobacter pylori</i> Probed by Atomic Force Microscopy. <i>International Journal of Polymer Science</i> , 2015 , 2015, 1-9	2.4	228
213	Particle size distribution in DMPC vesicles solutions undergoing different sonication times. <i>Biophysical Journal</i> , 2005 , 88, 3545-50	2.9	115
212	Biomimetic antimicrobial cloak by graphene-oxide agar hydrogel. <i>Scientific Reports</i> , 2016 , 6, 12	4.9	111
211	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
210	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
209	Mammalian life-span determinant p66shcA mediates obesity-induced insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 13420-5	11.5	84
208	PE_PGRS30 is required for the full virulence of <i>Mycobacterium tuberculosis</i> . <i>Cellular Microbiology</i> , 2012 , 14, 356-67	3.9	73
207	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
206	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
205	The graphene oxide contradictory effects against human pathogens. <i>Nanotechnology</i> , 2017 , 28, 152001	3.4	68
204	Fatty acid-related modulations of membrane fluidity in cells: detection and implications. <i>Free Radical Research</i> , 2016 , 50, S40-S50	4	68
203	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
202	Thiol redox transitions in cell signaling: a lesson from N-acetylcysteine. <i>Scientific World Journal</i> , 2010 , 10, 1192-202	2.2	66
201	Mapping viscoelastic properties of healthy and pathological red blood cells at the nanoscale level. <i>Nanoscale</i> , 2015 , 7, 17030-7	7.7	65
200	Globular structure of human ovulatory cervical mucus. <i>FASEB Journal</i> , 2007 , 21, 3872-6	0.9	64
199	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
198	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

197	Role of the life span determinant P66(shcA) in ethanol-induced liver damage. <i>Laboratory Investigation</i> , 2008 , 88, 750-60	5.9	60
196	Graphene oxide touches blood: in vivo interactions of bio-coronated 2D materials. <i>Nanoscale Horizons</i> , 2019 , 4, 273-290	10.8	58
195	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
194	Heat stress causes spatially-distinct membrane re-modelling in K562 leukemia cells. <i>PLoS ONE</i> , 2011 , 6, e21182	3.7	53
193	Mechanical properties of zona pellucida hardening. <i>European Biophysics Journal</i> , 2010 , 39, 987-92	1.9	51
192	Structure of fibrin gels studied by elastic light scattering techniques: dependence of fractal dimension, gel crossover length, fiber diameter, and fiber density on monomer concentration. <i>Physical Review E</i> , 2002 , 66, 011913	2.4	51
191	Growth kinetics and structure of fibrin gels. <i>Physical Review E</i> , 2001 , 63, 031401	2.4	50
190	Quantitative analysis of autophagic flux by confocal pH-imaging of autophagic intermediates. <i>Autophagy</i> , 2015 , 11, 1905-16	10.2	49
189	Nano-mechanical signature of brain tumours. <i>Nanoscale</i> , 2016 , 8, 19629-19643	7.7	47
188	Curcumin-loaded graphene oxide flakes as an effective antibacterial system against methicillin-resistant. <i>Interface Focus</i> , 2018 , 8, 20170059	3.9	46
187	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
186	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
185	Janus-faced liposomes enhance antimicrobial innate immune response in Mycobacterium tuberculosis infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1360-8	11.5	44
184	Nanoscale characterization of the biomechanical hardening of bovine zona pellucida. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 2871-82	4.1	44
183	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
182	High-resolution imaging of redox signaling in live cells through an oxidation-sensitive yellow fluorescent protein. <i>Science Signaling</i> , 2008 , 1, p13	8.8	43
181	Graphene oxide coatings prevent <i>Candida albicans</i> biofilm formation with a controlled release of curcumin-loaded nanocomposites. <i>Nanomedicine</i> , 2018 , 13, 2867-2879	5.6	42
180	Fluctuations and the rate-limiting step of peptide-induced membrane leakage. <i>Biophysical Journal</i> , 2010 , 99, 1791-800	2.9	41

179	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
178	Low density lipoprotein misfolding and amyloidogenesis. <i>FASEB Journal</i> , 2008 , 22, 2350-6	0.9	39
177	Imaging Reactive Oxygen Species-Induced Modifications in Living Systems. <i>Antioxidants and Redox Signaling</i> , 2016 , 24, 939-58	8.4	38
176	Unravelling the Potential of Graphene Quantum Dots in Biomedicine and Neuroscience. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	36
175	Fluid viscosity determination by means of uncalibrated atomic force microscopy cantilevers. <i>Applied Physics Letters</i> , 2006 , 88, 194102	3.4	36
174	Face masks and nanotechnology: Keep the blue side up. <i>Nano Today</i> , 2021 , 37, 101077	17.9	36
173	Evidence of elastic to plastic transition in the zona pellucida of oocytes using atomic force spectroscopy. <i>Applied Physics Letters</i> , 2009 , 94, 153902	3.4	35
172	Small- and wide-angle elastic light scattering study of fibrin structure. <i>Journal of Applied Crystallography</i> , 2003 , 36, 636-641	3.8	35
171	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
170	Recent advances in superhydrophobic surfaces and their relevance to biology and medicine. <i>Bioinspiration and Biomimetics</i> , 2016 , 11, 011001	2.6	34
169	Controlled self assembly of collagen nanoparticle. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6141-6147	2.3	34
168	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
167	Nutrient withdrawal rescues growth factor-deprived cells from mTOR-dependent damage. <i>Aging</i> , 2010 , 2, 487-503	5.6	32
166	Low density lipoprotein aged in plasma forms clusters resembling subendothelial droplets: aggregation via surface sites. <i>Biophysical Journal</i> , 2006 , 90, 4239-47	2.9	31
165	Biomechanical investigation of colorectal cancer cells. <i>Applied Physics Letters</i> , 2014 , 105, 123701	3.4	30
164	Ristocetin-induced self-aggregation of von Willebrand factor. <i>European Biophysics Journal</i> , 2010 , 39, 1597-603	1.9	30
163	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
162	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

161	Natural lysophospholipids reduce Mycobacterium tuberculosis-induced cytotoxicity and induce anti-mycobacterial activity by a phagolysosome maturation-dependent mechanism in A549 type II alveolar epithelial cells. <i>Immunology</i> , 2010 , 129, 125-32	7.8	29
160	Intervillous circulation in intra-uterine growth restriction. Correlation to fetal well being. <i>Placenta</i> , 2010 , 31, 1051-6	3.4	29
159	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
158	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
157	Volumetric modulated arc therapy with simultaneous integrated boost for locally advanced rectal cancer. <i>Clinical Oncology</i> , 2012 , 24, 261-8	2.8	28
156	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
155	N-acetyl-l-cysteine fosters inactivation and transfer to endolysosomes of c-Src. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1566-72	7.8	27
154	Docosahexaenoic acid reverts resistance to UV-induced apoptosis in human keratinocytes: involvement of COX-2 and HuR. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 874-85	6.3	26
153	Modifications in solvent clusters embedded along the fibers of a cellulose polymer network cause paper degradation. <i>Physical Review E</i> , 2008 , 77, 041801	2.4	26
152	Self-assembling of large ordered DNA arrays using superhydrophobic patterned surfaces. <i>Nanotechnology</i> , 2013 , 24, 495302	3.4	25
151	Modifications of the mesoscopic structure of cellulose in paper degradation. <i>Physical Review Letters</i> , 2006 , 97, 238001	7.4	25
150	Self-similarity properties of alpha-crystallin supramolecular aggregates. <i>Biophysical Journal</i> , 1995 , 69, 2720-7	2.9	25
149	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
148	Investigation of the spatial distribution of glutathione redox-balance in live cells by using Fluorescence Ratio Imaging Microscopy. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 682-7	11.8	24
147	Detection of microviscosity by using uncalibrated atomic force microscopy cantilevers. <i>Applied Physics Letters</i> , 2008 , 93, 124102	3.4	23
146	Growth, viability, adhesion potential, and fibronectin expression in fibroblasts cultured on zirconia or feldspatic ceramics in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 959-68	5.4	23
145	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
144	Impact of protein domains on PE_PGRS30 polar localization in Mycobacteria. <i>PLoS ONE</i> , 2014 , 9, e112482	3.7	22

143	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
142	Lysophosphatidic acid enhances antimycobacterial activity both in vitro and ex vivo. <i>Clinical Immunology</i> , 2006 , 121, 23-8	9	22
141	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
140	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
139	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
138	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
137	Effect of the residual stress on soft sample nanoindentation. <i>Applied Physics Letters</i> , 2013 , 102, 133704	3.4	21
136	Simultaneous static and dynamic light scattering approach to the characterization of the different fibrin gel structures occurring by changing chloride concentration. <i>Applied Physics Letters</i> , 2005 , 86, 183901	3.4	21
135	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
134	Effect of AFM probe geometry on visco-hyperelastic characterization of soft materials. <i>Nanotechnology</i> , 2015 , 26, 325701	3.4	20
133	Viscous forces are predominant in the zona pellucida mechanical resistance. <i>Applied Physics Letters</i> , 2013 , 102, 043703	3.4	20
132	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
131	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
130	Quality of life and toxicity of stereotactic radiotherapy in pancreatic tumors: a case series. <i>Cancer Investigation</i> , 2012 , 30, 149-55	2.1	19
129	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
128	Daily On-Line Set-Up Correction in 3D-Conformal Radiotherapy: Is It Feasible?. <i>Tumori</i> , 2012 , 98, 441-444	1.7	18
127	Generation in human plasma of misfolded, aggregation-prone electronegative low density lipoprotein. <i>Biophysical Journal</i> , 2009 , 97, 628-35	2.9	18
126	Protofibrils within fibrin fibres are packed together in a regular array. <i>Thrombosis and Haemostasis</i> , 2003 , 89, 632-636	7	18

125	Graphene oxide prevents mycobacteria entry into macrophages through extracellular entrapment. <i>Nanoscale Advances</i> , 2019 , 1, 1421-1431	5.1	17
124	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
123	INSIDIA: A FIJI Macro Delivering High-Throughput and High-Content Spheroid Invasion Analysis. <i>Biotechnology Journal</i> , 2017 , 12, 1700140	5.6	16
122	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
121	Graphene-based scaffolds for tissue engineering and photothermal therapy. <i>Nanomedicine</i> , 2020 , 15, 1411-1417	5.6	15
120	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
119	In vitro effect of clarithromycin and alginate lyase against helicobacter pylori biofilm. <i>Biotechnology Progress</i> , 2016 , 32, 1584-1591	2.8	15
118	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
117	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
116	Mycobacterium tuberculosis may escape helper T cell recognition by infecting human fibroblasts. <i>Human Immunology</i> , 2013 , 74, 722-9	2.3	14
115	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
114	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
113	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
112	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
111	Estradiol binding prevents ApoB-100 misfolding in electronegative LDL(-). <i>Biochemistry</i> , 2010 , 49, 7297-302	3.02	13
110	Dynamic light scattering study of fine semiflexible fibrin networks. <i>Biophysical Chemistry</i> , 1997 , 67, 287-325	3.25	13
109	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
108	3D Graphene Scaffolds for Skeletal Muscle Regeneration: Future Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 383	5.8	12

107	3D-printed graphene for bone reconstruction. <i>2D Materials</i> , 2020 , 7, 022004	5.9	12
106	Optical phase conjugation through translational and rotational diffusive rearrangements of liquid-dispersed microparticles. <i>Physical Review A</i> , 1990 , 41, 2882-2885	2.6	12
105	The thermal structural transition of β -crystallin inhibits the heat induced self-aggregation. <i>PLoS ONE</i> , 2011 , 6, e18906	3.7	12
104	Graphene Oxide-Linezolid Combination as Potential New Anti-Tuberculosis Treatment. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
103	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
102	Carbon nanomaterials: a new way against tuberculosis. <i>Expert Review of Medical Devices</i> , 2019 , 16, 863-875	3.5	11
101	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
100	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
99	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
98	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
97	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
96	Applicator-guided volumetric-modulated arc therapy for low-risk endometrial cancer. <i>Medical Dosimetry</i> , 2013 , 38, 5-11	1.3	11
95	Impact of electronegative low-density lipoprotein on angiographic coronary atherosclerotic burden. <i>Atherosclerosis</i> , 2012 , 223, 166-70	3.1	11
94	Compartmentalization of the redox environment in PC-12 neuronal cells. <i>European Biophysics Journal</i> , 2010 , 39, 993-9	1.9	11
93	Cl ⁻ and F ⁻ anions regulate the architecture of protofibrils in fibrin gel. <i>European Biophysics Journal</i> , 2010 , 39, 1001-6	1.9	11
92	Third-order nonlinearity enhancement in an artificial Kerr medium through bulk intrinsic birefringence. <i>Optics Letters</i> , 1989 , 14, 239-41	3	11
91	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
90	Serum immunoglobulin free light chain levels in systemic autoimmune rheumatic diseases. <i>Clinical and Experimental Immunology</i> , 2020 , 199, 163-171	6.2	11

89	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
88	Nanoscale mechanics of brain abscess: An atomic force microscopy study. <i>Micron</i> , 2018 , 113, 34-40	2.3	11
87	A fast and quantitative evaluation of the Aspergillus fumigatus biofilm adhesion properties by means of digital pulsed force mode. <i>Applied Surface Science</i> , 2013 , 279, 409-415	6.7	10
86	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
85	CpG oligodeoxynucleotides induce Ca ²⁺ -dependent phospholipase D activity leading to phagolysosome maturation and intracellular mycobacterial growth inhibition in monocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 347, 963-9	3.4	10
84	Polarization-resolved beam combination in liquid suspensions of shaped microparticles. <i>Physical Review A</i> , 1991 , 44, 7580-7596	2.6	10
83	Graphene Oxide Induced Osteogenesis Quantification by In-Situ 2D-Fluorescence Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	10
82	Crystallin modulates its chaperone activity by varying the exposed surface. <i>ChemBioChem</i> , 2013 , 14, 2362-70	3.8	9
81	Sphingosine 1-phosphate promotes antigen processing and presentation to CD4 ⁺ T cells in Mycobacterium tuberculosis-infected monocytes. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 361, 687-93	3.4	9
80	Daily on-line set-up correction in 3D-conformal radiotherapy: is it feasible?. <i>Tumori</i> , 2012 , 98, 441-4	1.7	9
79	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
78	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
77	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
76	Laser-Mediated antibacterial effects of Few- and Multi-Layer Ti ₃ C ₂ T _x MXenes. <i>Applied Surface Science</i> , 2021 , 567, 150795	6.7	9
75	Dystroglycan hypoglycosylation affects cell migration by influencing Dystroglycan 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
74	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
73	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
72	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

71	Birefringence and scattering in highly oriented artificial Kerr media. <i>Optics Letters</i> , 1991 , 16, 120-2	3	8
70	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
69	On the accuracy of bulk synthetic CT for MR-guided online adaptive radiotherapy. <i>Radiologia Medica</i> , 2020 , 125, 157-164	6.5	8
68	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
67	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
66	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
65	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
64	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. <i>Analytica Chimica Acta</i> , 2021 , 1148, 238173	6.6	7
63	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
62	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
61	Recurrence quantification analysis of heart rate variability during continuous incremental exercise test in obese subjects. <i>Chaos</i> , 2020 , 30, 033135	3.3	6
60	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
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