

Marco De Spirito

List of Publications by Year in descending order

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Version: 2024-02-01

264
papers

6,416
citations

61857

43
h-index

110170

64
g-index

268
all docs

268
docs citations

268
times ranked

9250
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.2	288
2	Biomimetic antimicrobial cloak by graphene-oxide agar hydrogel. <i>Scientific Reports</i> , 2016, 6, 12.	1.6	143
3	Particle Size Distribution in DMPC Vesicles Solutions Undergoing Different Sonication Times. <i>Biophysical Journal</i> , 2005, 88, 3545-3550.	0.2	128
4	Celiac disease and reproductive disorders: meta-analysis of epidemiologic associations and potential pathogenic mechanisms. <i>Human Reproduction Update</i> , 2014, 20, 582-593.	5.2	123
5	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.	2.6	115
6	Fatty acid-related modulations of membrane fluidity in cells: detection and implications. <i>Free Radical Research</i> , 2016, 50, S40-S50.	1.5	112
7	Delta radiomics for rectal cancer response prediction with hybrid 0.35T magnetic resonance-guided radiotherapy (MRgRT): a hypothesis-generating study for an innovative personalized medicine approach. <i>Radiologia Medica</i> , 2019, 124, 145-153.	4.7	112
8	PE_PGRS30 is required for the full virulence of <i>Mycobacterium tuberculosis</i> . <i>Cellular Microbiology</i> , 2012, 14, 356-367.	1.1	100
9	Graphene oxide touches blood: <i>in vivo</i> interactions of bio-coronated 2D materials. <i>Nanoscale Horizons</i> , 2019, 4, 273-290.	4.1	97
10	Mammalian life-span determinant p66 ^{shcA} mediates obesity-induced insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13420-13425.	3.3	96
11	Fractal-based radiomic approach to predict complete pathological response after chemo-radiotherapy in rectal cancer. <i>Radiologia Medica</i> , 2018, 123, 286-295.	4.7	91
12	Dynamic light scattering for the characterization and counting of extracellular vesicles: a powerful noninvasive tool. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	88
13	Mapping viscoelastic properties of healthy and pathological red blood cells at the nanoscale level. <i>Nanoscale</i> , 2015, 7, 17030-17037.	2.8	86
14	The graphene oxide contradictory effects against human pathogens. <i>Nanotechnology</i> , 2017, 28, 152001.	1.3	84
15	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.	1.1	83
16	The future development of bacteria fighting medical devices: the role of graphene oxide. <i>Expert Review of Medical Devices</i> , 2016, 13, 1013-1019.	1.4	83
17	Face masks and nanotechnology: Keep the blue side up. <i>Nano Today</i> , 2021, 37, 101077.	6.2	83
18	Thiol Redox Transitions in Cell Signaling: a Lesson from N-Acetylcysteine. <i>Scientific World Journal</i> , 2010, 10, 1192-1202.	0.8	77

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19	Unravelling the Potential of Graphene Quantum Dots in Biomedicine and Neuroscience. International Journal of Molecular Sciences, 2020, 21, 3712.	1.8	77
20	Nano-mechanical signature of brain tumours. Nanoscale, 2016, 8, 19629-19643.	2.8	75
21	Globular structure of human ovulatory cervical mucus. FASEB Journal, 2007, 21, 3872-3876.	0.2	74
22	Mechanical and structural comparison between primary tumor and lymph node metastasis cells in colorectal cancer. Soft Matter, 2015, 11, 5719-5726.	1.2	72
23	Role of the life span determinant P66shcA in ethanol-induced liver damage. Laboratory Investigation, 2008, 88, 750-760.	1.7	69
24	Quantitative analysis of autophagic flux by confocal pH-imaging of autophagic intermediates. Autophagy, 2015, 11, 1905-1916.	4.3	68
25	A field strength independent MR radiomics model to predict pathological complete response in locally advanced rectal cancer. Radiologia Medica, 2021, 126, 421-429.	4.7	67
26	Mechanical properties of zona pellucida hardening. European Biophysics Journal, 2010, 39, 987-992.	1.2	62
27	Curcumin-loaded graphene oxide flakes as an effective antibacterial system against methicillin-resistant <i>Staphylococcus aureus</i> . Interface Focus, 2018, 8, 20170059.	1.5	61
28	Janus-faced liposomes enhance antimicrobial innate immune response in <i>Mycobacterium tuberculosis</i> infection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1360-8.	3.3	60
29	Graphene nanoplatelet and graphene oxide functionalization of face mask materials inhibits infectivity of trapped SARS-CoV-2. IScience, 2021, 24, 102788.	1.9	59
30	Heat Stress Causes Spatially-Distinct Membrane Re-Modelling in K562 Leukemia Cells. PLoS ONE, 2011, 6, e21182.	1.1	59
31	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. Physical Review E, 2002, 66, 011913.	0.8	57
32	Graphene oxide coatings prevent <i>Candida albicans</i> biofilm formation with a controlled release of curcumin-loaded nanocomposites. Nanomedicine, 2018, 13, 2867-2879.	1.7	57
33	Predicting tumour motion during the whole radiotherapy treatment: a systematic approach for thoracic and abdominal lesions based on real time MR. Radiotherapy and Oncology, 2018, 129, 456-462.	0.3	56
34	Nanoscale characterization of the biomechanical hardening of bovine zona pellucida. Journal of the Royal Society Interface, 2012, 9, 2871-2882.	1.5	55
35	Changes in cellular mechanical properties during onset or progression of colorectal cancer. World Journal of Gastroenterology, 2016, 22, 7203.	1.4	55
36	Growth kinetics and structure of fibrin gels. Physical Review E, 2001, 63, 031401.	0.8	54

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37	Fluctuations and the Rate-Limiting Step of Peptide-Induced Membrane Leakage. <i>Biophysical Journal</i> , 2010, 99, 1791-1800.	0.2	49
38	High-Resolution Imaging of Redox Signaling in Live Cells Through an Oxidation-Sensitive Yellow Fluorescent Protein. <i>Science Signaling</i> , 2008, 1, pl3.	1.6	48
39	Low density lipoprotein misfolding and amyloidogenesis. <i>FASEB Journal</i> , 2008, 22, 2350-2356.	0.2	48
40	Plasma protein corona reduces the haemolytic activity of graphene oxide nano and micro flakes. <i>RSC Advances</i> , 2015, 5, 81638-81641.	1.7	48
41	Laser-Mediated antibacterial effects of Few- and Multi-Layer Ti3C2Tx MXenes. <i>Applied Surface Science</i> , 2021, 567, 150795.	3.1	48
42	A fully-automated neural network analysis of AFM force-distance curves for cancer tissue diagnosis. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	47
43	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, 1275-1282.	1.4	45
44	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, 2192-2202.	1.1	45
45	Recent advances in superhydrophobic surfaces and their relevance to biology and medicine. <i>Bioinspiration and Biomimetics</i> , 2016, 11, 011001.	1.5	44
46	Imaging Reactive Oxygen Species-Induced Modifications in Living Systems. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 939-958.	2.5	43
47	Fluid viscosity determination by means of uncalibrated atomic force microscopy cantilevers. <i>Applied Physics Letters</i> , 2006, 88, 194102.	1.5	42
48	Controlled self assembly of collagen nanoparticle. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6141-6147.	0.8	42
49	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.	1.9	42
50	Evidence of elastic to plastic transition in the zona pellucida of oocytes using atomic force spectroscopy. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	41
51	Small- and wide-angle elastic light scattering study of fibrin structure. <i>Journal of Applied Crystallography</i> , 2003, 36, 636-641.	1.9	36
52	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, 1675-1686.	2.9	36
53	Intervillous circulation in intra-uterine growth restriction. Correlation to fetal well being. <i>Placenta</i> , 2010, 31, 1051-1056.	0.7	35
54	Hexadecenoic Fatty Acid Positional Isomers and De Novo PUFA Synthesis in Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 832.	1.8	35

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55	Low Density Lipoprotein Aged in Plasma Forms Clusters Resembling Subendothelial Droplets: Aggregation via Surface Sites. <i>Biophysical Journal</i> , 2006, 90, 4239-4247.	0.2	34
56	Whole-Depth Change in Bovine Zona Pellucida Biomechanics after Fertilization: How Relevant in Hindering Polyspermy?. <i>PLoS ONE</i> , 2012, 7, e45696.	1.1	34
57	Biomechanical investigation of colorectal cancer cells. <i>Applied Physics Letters</i> , 2014, 105, 123701.	1.5	34
58	External Validation of Early Regression Index (ERITCP) 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.	0.4	34
59	N-acetyl-l-cysteine fosters inactivation and transfer to endolysosomes of c-Src. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1566-1572.	1.3	33
60	A hybrid characterization framework to determine the visco-hyperelastic properties of a porcine zona pellucida. <i>Interface Focus</i> , 2014, 4, 20130066.	1.5	33
61	Nutrient withdrawal rescues growth factor-deprived cells from mTOR-dependent damage. <i>Aging</i> , 2010, 2, 487-503.	1.4	33
62	Potential New Mechanisms of Placental Damage in Celiac Disease: Anti-Transglutaminase Antibodies Impair Human Endometrial Angiogenesis1. <i>Biology of Reproduction</i> , 2013, 89, 88.	1.2	32
63	INSIDIA: A Fiji Macro Delivering High-throughput and High-content Spheroid Invasion Analysis. <i>Biotechnology Journal</i> , 2017, 12, 1700140.	1.8	32
64	Reduction and shaping of graphene-oxide by laser-printing for controlled bone tissue regeneration and bacterial killing. <i>2D Materials</i> , 2018, 5, 015027.	2.0	32
65	Graphene Quantum Dots™ Surface Chemistry Modulates the Sensitivity of Glioblastoma Cells to Chemotherapeutics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6301.	1.8	32
66	Graphene-based scaffolds for tissue engineering and photothermal therapy. <i>Nanomedicine</i> , 2020, 15, 1411-1417.	1.7	32
67	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, 874-885.	1.9	31
68	Volumetric Modulated Arc Therapy with Simultaneous Integrated Boost for Locally Advanced Rectal Cancer. <i>Clinical Oncology</i> , 2012, 24, 261-268.	0.6	31
69	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, 113-122.	1.6	31
70	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.	2.5	31
71	Ristocetin-induced self-aggregation of von Willebrand factor. <i>European Biophysics Journal</i> , 2010, 39, 1597-1603.	1.2	30
72	Natural lysophospholipids reduce <i>Mycobacterium tuberculosis</i> 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, 125-132.	2.0	30

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73	Self-assembling of large ordered DNA arrays using superhydrophobic patterned surfaces. <i>Nanotechnology</i> , 2013, 24, 495302.	1.3	30
74	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.	2.6	30
75	Impact of Protein Domains on PE_PGRS30 Polar Localization in Mycobacteria. <i>PLoS ONE</i> , 2014, 9, e112482.	1.1	29
76	Human IgG Antinuclear Antibodies Induce Pregnancy Loss in Mice by Increasing Immune Complex Deposition in Placental Tissue: <i>In Vivo</i> Study. <i>American Journal of Reproductive Immunology</i> , 2015, 74, 542-552.	1.2	29
77	Self-similarity properties of alpha-crystallin supramolecular aggregates. <i>Biophysical Journal</i> , 1995, 69, 2720-2727.	0.2	28
78	Growth, viability, adhesion potential, and fibronectin expression in fibroblasts cultured on zirconia or feldspatic ceramics <i>in vitro</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 959-968.	2.1	28
79	Detection of microviscosity by using uncalibrated atomic force microscopy cantilevers. <i>Applied Physics Letters</i> , 2008, 93, 124102.	1.5	28
80	Modifications in solvent clusters embedded along the fibers of a cellulose polymer network cause paper degradation. <i>Physical Review E</i> , 2008, 77, 041801.	0.8	28
81	Graphene oxide prevents mycobacteria entry into macrophages through extracellular entrapment. <i>Nanoscale Advances</i> , 2019, 1, 1421-1431.	2.2	28
82	Enhanced Chemotherapy for Glioblastoma Multiforme Mediated by Functionalized Graphene Quantum Dots. <i>Materials</i> , 2020, 13, 4139.	1.3	28
83	3D Graphene Scaffolds for Skeletal Muscle Regeneration: Future Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 383.	2.0	28
84	Modifications of the Mesoscopic Structure of Cellulose in Paper Degradation. <i>Physical Review Letters</i> , 2006, 97, 238001.	2.9	27
85	An integrated superhydrophobic-plasmonic biosensor for mid-infrared protein detection at the femtomole level. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21337-21342.	1.3	27
86	3D-printed graphene for bone reconstruction. <i>2D Materials</i> , 2020, 7, 022004.	2.0	27
87	Daily On-Line Set-Up Correction in 3D-Conformal Radiotherapy: Is It Feasible?. <i>Tumori</i> , 2012, 98, 441-444.	0.6	26
88	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, 682-687.	5.3	25
89	<i>In vitro</i> effect of clarithromycin and alginate lyase against <i>helicobacter pylori</i> biofilm. <i>Biotechnology Progress</i> , 2016, 32, 1584-1591.	1.3	25
90	Biocompatible <i>N</i> -acetyl cysteine reduces graphene oxide and persists at the surface as a green radical scavenger. <i>Chemical Communications</i> , 2019, 55, 4186-4189.	2.2	25

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91	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, 1476.	1.9	25
92	Protofibrils within fibrin fibres are packed together in a regular array. <i>Thrombosis and Haemostasis</i> , 2003, 89, 632-636.	1.8	24
93	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.	1.5	24
94	PE_PGRS3 of <i>Mycobacterium tuberculosis</i> is specifically expressed at low phosphate concentration, and its arginine-rich C-terminal domain mediates adhesion and persistence in host tissues when expressed in <i>Mycobacterium smegmatis</i> . <i>Cellular Microbiology</i> , 2018, 20, e12952.	1.1	24
95	On the accuracy of bulk synthetic CT for MR-guided online adaptive radiotherapy. <i>Radiologia Medica</i> , 2020, 125, 157-164.	4.7	24
96	Generation in Human Plasma of Misfolded, Aggregation-Prone Electronegative Low Density Lipoprotein. <i>Biophysical Journal</i> , 2009, 97, 628-635.	0.2	23
97	Quality of Life and Toxicity of Stereotactic Radiotherapy in Pancreatic Tumors: A Case Series. <i>Cancer Investigation</i> , 2012, 30, 149-155.	0.6	23
98	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, 1088-1094.	0.2	23
99	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, 108-116.	0.4	23
100	Effect of AFM probe geometry on visco-hyperelastic characterization of soft materials. <i>Nanotechnology</i> , 2015, 26, 325701.	1.3	23
101	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.	1.1	23
102	Transglutaminase type 2 plays a key role in the pathogenesis of <i>Mycobacterium tuberculosis</i> infection. <i>Journal of Internal Medicine</i> , 2018, 283, 303-313.	2.7	23
103	Lysophosphatidic acid enhances antimycobacterial activity both in vitro and ex vivo. <i>Clinical Immunology</i> , 2006, 121, 23-28.	1.4	22
104	Viscous forces are predominant in the zona pellucida mechanical resistance. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	22
105	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.	0.4	22
106	Serum immunoglobulin free light chain levels in systemic autoimmune rheumatic diseases. <i>Clinical and Experimental Immunology</i> , 2020, 199, 163-171.	1.1	22
107	Effect of the residual stress on soft sample nanoindentation. <i>Applied Physics Letters</i> , 2013, 102, 133704.	1.5	21
108	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.	2.6	21

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109	A novel method for post-mortem interval estimation based on tissue nano-mechanics. <i>International Journal of Legal Medicine</i> , 2019, 133, 1133-1139.	1.2	20
110	Graphene Oxide-Linezolid Combination as Potential New Anti-Tuberculosis Treatment. <i>Nanomaterials</i> , 2020, 10, 1431.	1.9	20
111	Nanoscale mechanics of brain abscess: An atomic force microscopy study. <i>Micron</i> , 2018, 113, 34-40.	1.1	19
112	Estradiol Binding Prevents ApoB-100 Misfolding in Electronegative LDL(β^2). <i>Biochemistry</i> , 2010, 49, 7297-7302.	1.2	18
113	<i>Mycobacterium tuberculosis</i> may escape helper T cell recognition by infecting human fibroblasts. <i>Human Immunology</i> , 2013, 74, 722-729.	1.2	18
114	Nanoindentation characterisation of human colorectal cancer cells considering cell geometry, surface roughness and hyperelastic constitutive behaviour. <i>Nanotechnology</i> , 2017, 28, 045703.	1.3	18
115	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.	1.2	18
116	Erythrocyte membrane fluidity as a marker of diabetic retinopathy in type 1 diabetes mellitus. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13455.	1.7	18
117	Recurrence quantification analysis of heart rate variability during continuous incremental exercise test in obese subjects. <i>Chaos</i> , 2020, 30, 033135.	1.0	17
118	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.	2.6	17
119	Machine Learning-Assisted FTIR Analysis of Circulating Extracellular Vesicles for Cancer Liquid Biopsy. <i>Journal of Personalized Medicine</i> , 2022, 12, 949.	1.1	17
120	Nanomechanical mapping helps explain differences in outcomes of eye microsurgery: A comparative study of macular pathologies. <i>PLoS ONE</i> , 2019, 14, e0220571.	1.1	16
121	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.	3.6	16
122	Carbon nanomaterials: a new way against tuberculosis. <i>Expert Review of Medical Devices</i> , 2019, 16, 863-875.	1.4	16
123	Altered mitochondrial function in cells carrying a premutation or unmethylated full mutation of the FMR1 gene. <i>Human Genetics</i> , 2020, 139, 227-245.	1.8	16
124	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, 1688-1698.	1.9	15
125	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.	0.4	15
126	The Thermal Structural Transition of β -Crystallin Inhibits the Heat Induced Self-Aggregation. <i>PLoS ONE</i> , 2011, 6, e18906.	1.1	15

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127	Dynamic light scattering study of fine semiflexible fibrin networks. <i>Biophysical Chemistry</i> , 1997, 67, 287-292.	1.5	14
128	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.	14.4	14
129	Living optical random neural network with three dimensional tumor spheroids for cancer morphodynamics. <i>Communications Physics</i> , 2020, 3, .	2.0	14
130	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.	1.1	14
131	3D-printed graphene polylactic acid devices resistant to SARS-CoV-2: Sunlight-mediated sterilization of additive manufactured objects. <i>Carbon</i> , 2022, 194, 34-41.	5.4	14
132	Impact of electronegative low-density lipoprotein on angiographic coronary atherosclerotic burden. <i>Atherosclerosis</i> , 2012, 223, 166-170.	0.4	13
133	Efficient Spatial Sampling for AFM-Based Cancer Diagnostics: A Comparison between Neural Networks and Conventional Data Analysis. <i>Condensed Matter</i> , 2019, 4, 58.	0.8	13
134	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.	1.2	13
135	Inhibition of Transglutaminase 2 as a Potential Host-Directed Therapy Against Mycobacterium tuberculosis. <i>Frontiers in Immunology</i> , 2019, 10, 3042.	2.2	13
136	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. <i>Analytica Chimica Acta</i> , 2021, 1148, 238173.	2.6	13
137	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, 3106.	1.8	13
138	Recurrence quantification analysis of heart rate variability to detect both ventilatory thresholds. <i>PLoS ONE</i> , 2021, 16, e0249504.	1.1	13
139	Optical phase conjugation through translational and rotational diffusive rearrangements of liquid-dispersed microparticles. <i>Physical Review A</i> , 1990, 41, 2882-2885.	1.0	12
140	Applicator-guided volumetric-modulated arc therapy for low-risk endometrial cancer. <i>Medical Dosimetry</i> , 2013, 38, 5-11.	0.4	12
141	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.	1.7	12
142	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.	1.7	12
143	Î±-Dystroglycan hypoglycosylation affects cell migration by influencing Î²-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.	1.8	12
144	Graphene Oxide Induced Osteogenesis Quantification by In-Situ 2D-Fluorescence Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3336.	1.8	12

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145	Hybrid Tri-Co-60 MRI radiotherapy for locally advanced rectal cancer: An in silico evaluation. Technical Innovations and Patient Support in Radiation Oncology, 2018, 6, 5-10.	0.6	12
146	Low-Intensity Ultrasound Induces Thermodynamic Phase Separation of Cell Membranes through a Nucleation–Condensation Process. Ultrasound in Medicine and Biology, 2019, 45, 1143-1150.	0.7	12
147	Label-free spectroscopic characterization of exosomes reveals cancer cell differentiation. Analytica Chimica Acta, 2022, 1192, 339359.	2.6	12
148	Third-order nonlinearity enhancement in an artificial Kerr medium through bulk intrinsic birefringence. Optics Letters, 1989, 14, 239.	1.7	11
149	Sphingosine 1-phosphate promotes antigen processing and presentation to CD4+ T cells in Mycobacterium tuberculosis-infected monocytes. Biochemical and Biophysical Research Communications, 2007, 361, 687-693.	1.0	11
150	Compartmentalization of the redox environment in PC-12 neuronal cells. European Biophysics Journal, 2010, 39, 993-999.	1.2	11
151	Cl ⁻ and F ⁻ anions regulate the architecture of protofibrils in fibrin gel. European Biophysics Journal, 2010, 39, 1001-1006.	1.2	11
152	± Crystallin Modulates its Chaperone Activity by Varying the Exposed Surface. ChemBioChem, 2013, 14, 2362-2370.	1.3	11
153	An evaluation of the objectivity and reproducibility of shear wave elastography in estimating the post-mortem interval: a tissue biomechanical perspective. International Journal of Legal Medicine, 2020, 134, 1939-1948.	1.2	11
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