

# Massimiliano Papi

## List of Publications by Citations

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159  
papers

3,754  
citations

35  
h-index

51  
g-index

188  
ext. papers

4,621  
ext. citations

4.7  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
159	Effect of Alginate Lyase on Biofilm-Grown <i>Helicobacter pylori</i> Probed by Atomic Force Microscopy. <i>International Journal of Polymer Science</i> , <b>2015</b> , 2015, 1-9	2.4	228
158	Can graphene take part in the fight against COVID-19?. <i>Nano Today</i> , <b>2020</b> , 33, 100883	17.9	137
157	Selective targeting capability acquired with a protein corona adsorbed on the surface of 1,2-dioleoyl-3-trimethylammonium propane/DNA nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13171-9	9.5	119
156	Biomimetic antimicrobial cloak by graphene-oxide agar hydrogel. <i>Scientific Reports</i> , <b>2016</b> , 6, 12	4.9	111
155	Bacteria Meet Graphene: Modulation of Graphene Oxide Nanosheet Interaction with Human Pathogens for Effective Antimicrobial Therapy. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 619-627	5.5	85
154	Epithelial-stromal interactions in human breast cancer: effects on adhesion, plasma membrane fluidity and migration speed and directness. <i>PLoS ONE</i> , <b>2012</b> , 7, e50804	3.7	70
153	The graphene oxide contradictory effects against human pathogens. <i>Nanotechnology</i> , <b>2017</b> , 28, 152001	3.4	68
152	Improved Doxorubicin Encapsulation and Pharmacokinetics of Ferritin-Fusion Protein Nanocarriers Bearing Proline, Serine, and Alanine Elements. <i>Biomacromolecules</i> , <b>2016</b> , 17, 514-22	6.9	67
151	Mapping viscoelastic properties of healthy and pathological red blood cells at the nanoscale level. <i>Nanoscale</i> , <b>2015</b> , 7, 17030-7	7.7	65
150	Globular structure of human ovulatory cervical mucus. <i>FASEB Journal</i> , <b>2007</b> , 21, 3872-6	0.9	64
149	The future development of bacteria fighting medical devices: the role of graphene oxide. <i>Expert Review of Medical Devices</i> , <b>2016</b> , 13, 1013-1019	3.5	63
148	Clinically approved PEGylated nanoparticles are covered by a protein corona that boosts the uptake by cancer cells. <i>Nanoscale</i> , <b>2017</b> , 9, 10327-10334	7.7	62
147	A protein corona-enabled blood test for early cancer detection. <i>Nanoscale</i> , <b>2017</b> , 9, 349-354	7.7	61
146	Dynamic light scattering for the characterization and counting of extracellular vesicles: a powerful noninvasive tool. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	60
145	Graphene oxide touches blood: in vivo interactions of bio-coronated 2D materials. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 273-290	10.8	58
144	Mechanical and structural comparison between primary tumor and lymph node metastasis cells in colorectal cancer. <i>Soft Matter</i> , <b>2015</b> , 11, 5719-26	3.6	54
143	Mechanical properties of zona pellucida hardening. <i>European Biophysics Journal</i> , <b>2010</b> , 39, 987-92	1.9	51

142	Quantitative analysis of autophagic flux by confocal pH-imaging of autophagic intermediates. <i>Autophagy</i> , <b>2015</b> , 11, 1905-16	10.2	49
141	Nano-mechanical signature of brain tumours. <i>Nanoscale</i> , <b>2016</b> , 8, 19629-19643	7.7	47
140	Curcumin-loaded graphene oxide flakes as an effective antibacterial system against methicillin-resistant. <i>Interface Focus</i> , <b>2018</b> , 8, 20170059	3.9	46
139	Plasma protein corona reduces the haemolytic activity of graphene oxide nano and micro flakes. <i>RSC Advances</i> , <b>2015</b> , 5, 81638-81641	3.7	44
138	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> , <b>2012</b> , 109, E1360-8	11.5	44
137	Nanoscale characterization of the biomechanical hardening of bovine zona pellucida. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 2871-82	4.1	44
136	Microfluidic manufacturing of surface-functionalized graphene oxide nanoflakes for gene delivery. <i>Nanoscale</i> , <b>2019</b> , 11, 2733-2741	7.7	43
135	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> , <b>2013</b> , 57, 1275-82	5.9	43
134	Graphene oxide coatings prevent <i>Candida albicans</i> biofilm formation with a controlled release of curcumin-loaded nanocomposites. <i>Nanomedicine</i> , <b>2018</b> , 13, 2867-2879	5.6	42
133	Disease-specific protein corona sensor arrays may have disease detection capacity. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1063-1076	10.8	41
132	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> , <b>2014</b> , 1840, 2192-202	4	40
131	Low density lipoprotein misfolding and amyloidogenesis. <i>FASEB Journal</i> , <b>2008</b> , 22, 2350-6	0.9	39
130	Extracellular truncated tau causes early presynaptic dysfunction associated with Alzheimer's disease and other tauopathies. <i>Oncotarget</i> , <b>2017</b> , 8, 64745-64778	3.3	38
129	Unravelling the Potential of Graphene Quantum Dots in Biomedicine and Neuroscience. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	36
128	Fluid viscosity determination by means of uncalibrated atomic force microscopy cantilevers. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 194102	3.4	36
127	Face masks and nanotechnology: Keep the blue side up. <i>Nano Today</i> , <b>2021</b> , 37, 101077	17.9	36
126	Evidence of elastic to plastic transition in the zona pellucida of oocytes using atomic force spectroscopy. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 153902	3.4	35
125	Small- and wide-angle elastic light scattering study of fibrin structure. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 636-641	3.8	35

124	Recent advances in superhydrophobic surfaces and their relevance to biology and medicine. <i>Bioinspiration and Biomimetics</i> , <b>2016</b> , 11, 011001	2.6	34
123	Controlled self assembly of collagen nanoparticle. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 6141-6147.	2.3	34
122	Human Biomolecular Corona of Liposomal Doxorubicin: The Overlooked Factor in Anticancer Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22951-22962	9.5	33
121	Changes in cellular mechanical properties during onset or progression of colorectal cancer. <i>World Journal of Gastroenterology</i> , <b>2016</b> , 22, 7203-14	5.6	33
120	Low density lipoprotein aged in plasma forms clusters resembling subendothelial droplets: aggregation via surface sites. <i>Biophysical Journal</i> , <b>2006</b> , 90, 4239-47	2.9	31
119	Principal component analysis of personalized biomolecular corona data for early disease detection. <i>Nano Today</i> , <b>2018</b> , 21, 14-17	17.9	30
118	Biomechanical investigation of colorectal cancer cells. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 123701	3.4	30
117	Transient state kinetic investigation of ferritin iron release. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 073703	3.4	30
116	Ristocetin-induced self-aggregation of von Willebrand factor. <i>European Biophysics Journal</i> , <b>2010</b> , 39, 1597-603	1.9	30
115	In vitro biocompatibility study of sub-5 nm silica-coated magnetic iron oxide fluorescent nanoparticles for potential biomedical application. <i>Scientific Reports</i> , <b>2017</b> , 7, 46513	4.9	29
114	Converting the personalized biomolecular corona of graphene oxide nanoflakes into a high-throughput diagnostic test for early cancer detection. <i>Nanoscale</i> , <b>2019</b> , 11, 15339-15346	7.7	29
113	A hybrid characterization framework to determine the visco-hyperelastic properties of a porcine zona pellucida. <i>Interface Focus</i> , <b>2014</b> , 4, 20130066	3.9	29
112	Continuous thermal collapse of the intrinsically disordered protein tau is driven by its entropic flexible domain. <i>Langmuir</i> , <b>2012</b> , 28, 13405-10	4	29
111	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> , <b>2010</b> , 129, 125-32	7.8	29
110	Intervillous circulation in intra-uterine growth restriction. Correlation to fetal well being. <i>Placenta</i> , <b>2010</b> , 31, 1051-6	3.4	29
109	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> , <b>2015</b> , 112, 1675-86	8.7	28
108	Whole-depth change in bovine zona pellucida biomechanics after fertilization: how relevant in hindering polyspermy?. <i>PLoS ONE</i> , <b>2012</b> , 7, e45696	3.7	28
107	A fully-automated neural network analysis of AFM force-distance curves for cancer tissue diagnosis. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 143701	3.4	27

106	Modifications in solvent clusters embedded along the fibers of a cellulose polymer network cause paper degradation. <i>Physical Review E</i> , <b>2008</b> , 77, 041801	2.4	26
105	Self-assembling of large ordered DNA arrays using superhydrophobic patterned surfaces. <i>Nanotechnology</i> , <b>2013</b> , 24, 495302	3.4	25
104	Modifications of the mesoscopic structure of cellulose in paper degradation. <i>Physical Review Letters</i> , <b>2006</b> , 97, 238001	7.4	25
103	Reduction and shaping of graphene-oxide by laser-printing for controlled bone tissue regeneration and bacterial killing. <i>2D Materials</i> , <b>2018</b> , 5, 015027	5.9	25
102	Investigation of the spatial distribution of glutathione redox-balance in live cells by using Fluorescence Ratio Imaging Microscopy. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 25, 682-7	11.8	24
101	Detection of microviscosity by using uncalibrated atomic force microscopy cantilevers. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 124102	3.4	23
100	Potential new mechanisms of placental damage in celiac disease: anti-transglutaminase antibodies impair human endometrial angiogenesis. <i>Biology of Reproduction</i> , <b>2013</b> , 89, 88	3.9	22
99	Lysophosphatidic acid enhances antimycobacterial activity both in vitro and ex vivo. <i>Clinical Immunology</i> , <b>2006</b> , 121, 23-8	9	22
98	Graphene nanoplatelet and graphene oxide functionalization of face mask materials inhibits infectivity of trapped SARS-CoV-2. <i>IScience</i> , <b>2021</b> , 24, 102788	6.1	22
97	An integrated superhydrophobic-plasmonic biosensor for mid-infrared protein detection at the femtomole level. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 21337-42	3.6	21
96	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> , <b>2014</b> , 2, 113-22	5.3	21
95	Effect of the residual stress on soft sample nanoindentation. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 133704	3.4	21
94	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> , <b>2005</b> , 86, 183901	3.4	21
93	Effect of AFM probe geometry on visco-hyperelastic characterization of soft materials. <i>Nanotechnology</i> , <b>2015</b> , 26, 325701	3.4	20
92	Viscous forces are predominant in the zona pellucida mechanical resistance. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 043703	3.4	20
91	Mechanism of aluminium bio-mineralization in the apoferritin cavity. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 083701	3.4	20
90	Detection of biofilm-grown <i>Aspergillus fumigatus</i> by means of atomic force spectroscopy: ultrastructural effects of alginate lyase. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 1088-94	0.5	19
89	Graphene oxide prevents mycobacteria entry into macrophages through extracellular entrapment. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1421-1431	5.1	17

88	Microfluidic-generated lipid-graphene oxide nanoparticles for gene delivery. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 233701	3.4	16
87	Killing cancer cells using nanotechnology: novel poly(I:C) loaded liposome-silica hybrid nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7408-7416	7.3	16
86	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> , <b>2017</b> , 158, 349-355	6	16
85	INSIDIA: A FIJI Macro Delivering High-Throughput and High-Content Spheroid Invasion Analysis. <i>Biotechnology Journal</i> , <b>2017</b> , 12, 1700140	5.6	16
84	Synthesis and characterization of different immunogenic viral nanoconstructs from rotavirus VP6 inner capsid protein. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 2727-39	7.3	16
83	Exploitation of nanoparticle-protein interactions for early disease detection. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 163702	3.4	15
82	Biocompatible N-acetyl cysteine reduces graphene oxide and persists at the surface as a green radical scavenger. <i>Chemical Communications</i> , <b>2019</b> , 55, 4186-4189	5.8	15
81	Graphene-based scaffolds for tissue engineering and photothermal therapy. <i>Nanomedicine</i> , <b>2020</b> , 15, 1411-1417	5.6	15
80	In vitro effect of clarithromycin and alginate lyase against helicobacter pylori biofilm. <i>Biotechnology Progress</i> , <b>2016</b> , 32, 1584-1591	2.8	15
79	Wet sample confinement by superhydrophobic patterned surfaces for combined X-ray fluorescence and X-ray phase contrast imaging. <i>Microelectronic Engineering</i> , <b>2013</b> , 111, 304-309	2.5	15
78	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> , <b>2013</b> , 11, 1688-98	15.4	15
77	Nanoscale characterization of the biomechanical properties of collagen fibrils in the sclera. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 103703	3.4	14
76	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> , <b>2013</b> , 8, e52530	3.7	14
75	Nanoindentation characterisation of human colorectal cancer cells considering cell geometry, surface roughness and hyperelastic constitutive behaviour. <i>Nanotechnology</i> , <b>2017</b> , 28, 045703	3.4	13
74	A novel method for post-mortem interval estimation based on tissue nano-mechanics. <i>International Journal of Legal Medicine</i> , <b>2019</b> , 133, 1133-1139	3.1	13
73	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> , <b>2017</b> , 12, e0184109	3.7	13
72	3D Graphene Scaffolds for Skeletal Muscle Regeneration: Future Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 383	5.8	12
71	3D-printed graphene for bone reconstruction. <i>2D Materials</i> , <b>2020</b> , 7, 022004	5.9	12

70	The thermal structural transition of $\beta$ -crystallin inhibits the heat induced self-aggregation. <i>PLoS ONE</i> , <b>2011</b> , 6, e18906	3.7	12
69	Biocompatibility assessment of sub-5 nm silica-coated superparamagnetic iron oxide nanoparticles in human stem cells and in mice for potential application in nanomedicine. <i>Nanoscale</i> , <b>2020</b> , 12, 1759-1778	7.7	12
68	Graphene Oxide-Linezolid Combination as Potential New Anti-Tuberculosis Treatment. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	12
67	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> , <b>2018</b> , 20, e12952	3.9	12
66	Carbon nanomaterials: a new way against tuberculosis. <i>Expert Review of Medical Devices</i> , <b>2019</b> , 16, 863-875	3.5	11
65	Nanomechanical mapping helps explain differences in outcomes of eye microsurgery: A comparative study of macular pathologies. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220571	3.7	11
64	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> , <b>2019</b> , 141, 278-289	7.9	11
63	Controlling the Cassie-to-Wenzel Transition: an Easy Route towards the Realization of Tridimensional Arrays of Biological Objects. <i>Nano-Micro Letters</i> , <b>2014</b> , 6, 280-286	19.5	11
62	Compartmentalization of the redox environment in PC-12 neuronal cells. <i>European Biophysics Journal</i> , <b>2010</b> , 39, 993-9	1.9	11
61	Cl <sup>-</sup> and F <sup>-</sup> anions regulate the architecture of protofibrils in fibrin gel. <i>European Biophysics Journal</i> , <b>2010</b> , 39, 1001-6	1.9	11
60	Graphene Quantum Dots Surface Chemistry Modulates the Sensitivity of Glioblastoma Cells to Chemotherapeutics. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	11
59	Nanoscale mechanics of brain abscess: An atomic force microscopy study. <i>Micron</i> , <b>2018</b> , 113, 34-40	2.3	11
58	Liposome-based sensor for the detection of bacteria. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 248, 247-256	2.5	10
57	A fast and quantitative evaluation of the Aspergillus fumigatus biofilm adhesion properties by means of digital pulsed force mode. <i>Applied Surface Science</i> , <b>2013</b> , 279, 409-415	6.7	10
56	Novel fluorescent security marker. Part II: application of novel 6-alkoxy-2-amino-3,5-pyridinedicarbonitrile nanoparticles in safety paper. <i>RSC Advances</i> , <b>2014</b> , 4, 59614-59625	3.7	10
55	Biological and structural characterization of a naturally inspired material engineered from elastin as a candidate for tissue engineering applications. <i>Langmuir</i> , <b>2013</b> , 29, 15898-906	4	10
54	CpG oligodeoxynucleotides induce Ca <sup>2+</sup> -dependent phospholipase D activity leading to phagolysosome maturation and intracellular mycobacterial growth inhibition in monocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 347, 963-9	3.4	10
53	Graphene Oxide Induced Osteogenesis Quantification by In-Situ 2D-Fluorescence Spectroscopy. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	10



52	Celecoxib Exerts Neuroprotective Effects in $\beta$ Amyloid-Treated SH-SY5Y Cells Through the Regulation of Heme Oxygenase-1: Novel Insights for an Old Drug. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 561179	5.7	9
51	$\beta$ Crystallin modulates its chaperone activity by varying the exposed surface. <i>ChemBioChem</i> , <b>2013</b> , 14, 2362-70	3.8	9
50	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> , <b>2020</b> , 1140, 219-227	6.6	9
49	Laser-Mediated antibacterial effects of Few- and Multi-Layer Ti3C2Tx MXenes. <i>Applied Surface Science</i> , <b>2021</b> , 567, 150795	6.7	9
48	$\beta$ Dystroglycan hypoglycosylation affects cell migration by influencing $\beta$ Dystroglycan membrane clustering and filopodia length: A multiscale confocal microscopy analysis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 2182-2191	6.9	8
47	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> , <b>2014</b> , 740, 138-146	1.2	8
46	Misfolding of apoprotein B-100, LDL aggregation and 17- $\beta$ estradiol in atherogenesis. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 2276-83	4.3	8
45	Design and characterization of chionodracine-derived antimicrobial peptides with enhanced activity against drug-resistant human pathogens.. <i>RSC Advances</i> , <b>2018</b> , 8, 41331-41346	3.7	8
44	Controlling DNA Bundle Size and Spatial Arrangement in Self-assembled Arrays on Superhydrophobic Surface. <i>Nano-Micro Letters</i> , <b>2015</b> , 7, 146-151	19.5	7
43	Recent Advances in the Label-Free Characterization of Exosomes for Cancer Liquid Biopsy: From Scattering and Spectroscopy to Nanoindentation and Nanodevices. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
42	Efficient Spatial Sampling for AFM-Based Cancer Diagnostics: A Comparison between Neural Networks and Conventional Data Analysis. <i>Condensed Matter</i> , <b>2019</b> , 4, 58	1.8	6
41	VP6-SUMO Self-Assembly as Nanocarriers for Gastrointestinal Delivery. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-7	3.2	6
40	Simulated point mutations in the Aalpha-chain of human fibrinogen support a role of the alphaC domain in the stabilization of fibrin gel. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , <b>2006</b> , 35, 417-27		6
39	Enhanced Chemotherapy for Glioblastoma Multiforme Mediated by Functionalized Graphene Quantum Dots. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
38	CpG oligodeoxynucleotides promote phospholipase D dependent phagolysosome maturation and intracellular mycobacterial killing in M. tuberculosis infected type II alveolar epithelial cells. <i>Cellular Immunology</i> , <b>2009</b> , 259, 1-4	4.4	5
37	Principles for optimization and validation of mRNA lipid nanoparticle vaccines against COVID-19 using 3D bioprinting.. <i>Nano Today</i> , <b>2022</b> , 43, 101403	17.9	5
36	Graphene nanoplatelet and Graphene oxide functionalization of face mask materials inhibits infectivity of trapped SARS-CoV-2		5
35	In vitro effect of temperature on the conformational structure and collagen binding of SdrF, a Staphylococcus epidermidis adhesin. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 5593-603	5.7	4



34	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> , <b>2020</b> , 110, 103853	4.1	4
33	Circulating miRNAs in Small Extracellular Vesicles Secreted by a Human Melanoma Xenograft in Mouse Brains. <i>Cancers</i> , <b>2020</b> , 12,	6.6	4
32	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> , <b>2019</b> , 100, 103374.1	4.1	4
31	Nano-Mechanical Response of Red Blood Cells. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , <b>2017</b> , 11-16	0.3	4
30	The thermal structural transition of alpha-crystallin modulates subunit interactions and increases protein solubility. <i>PLoS ONE</i> , <b>2012</b> , 7, e30705	3.7	4
29	Antimicrobial and Antibiofilm Properties of Graphene Oxide on. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	4
28	Graphene Oxide Nano-Concentrators Selectively Modulate RNA Trapping According to Metal Cations in Solution. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 421	5.8	3
27	Antibacterial Properties of Curcumin Loaded Graphene Oxide Flakes. <i>Biophysical Journal</i> , <b>2018</b> , 114, 362a	2.9	3
26	Quantitative assessment of the relationship between cellular morphodynamics and signaling events by stochastic analysis of fluorescent images. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1198-207	0.5	3
25	Living optical random neural network with three dimensional tumor spheroids for cancer morphodynamics. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	3
24	Expression of Pinopodes in the Endometrium from Recurrent Pregnancy Loss Women. Role of Thrombomodulin and Ezrin. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	3
23	Erythrocyte viscoelastic recovery after liver transplantation in a cirrhotic patient affected by spur cell anaemia. <i>Journal of Microscopy</i> , <b>2020</b> , 280, 287-296	1.9	3
22	Spatiotemporal beam self-cleaning for high-resolution nonlinear fluorescence imaging with multimode fiber. <i>Scientific Reports</i> , <b>2021</b> , 11, 18240	4.9	3
21	Nanocavities trapped along fibrin fibers allow the diffusion of thrombolytic drugs. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 223701	3.4	2
20	A comparative experimental and theoretical study of the mechanism of graphene oxide mild reduction by ascorbic acid and N-acetyl cysteine for biomedical applications. <i>Materials Advances</i> , <b>2020</b> , 1, 2745-2754	3.3	2
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