Massimiliano Papi

List of Publications by Year in Descending Order

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	Principles for optimization and validation of mRNA lipid nanoparticle vaccines against COVID-19 using 3D bioprinting.. *Nano Today*, **2022**, 43, 101403	17.9	5
158	Label-free spectroscopic characterization of exosomes reveals cancer cell differentiation.. *Analytica Chimica Acta*, **2022**, 1192, 339359	6.6	0
157	Visco-Hyperelastic Characterization of the Equine Immature Zona Pellucida. *Materials*, **2021**, 14,	3.5	1
156	Face masks and nanotechnology: Keep the blue side up. *Nano Today*, **2021**, 37, 101077	17.9	36
155	Recent Advances in the Label-Free Characterization of Exosomes for Cancer Liquid Biopsy: From Scattering and Spectroscopy to Nanoindentation and Nanodevices. *Nanomaterials*, **2021**, 11,	5.4	7
154	PE_PGRS3 ensures provision of the vital phospholipids cardiolipin and phosphatidylinositols by promoting the interaction between and host cells. *Virulence*, **2021**, 12, 868-884	4.7	1
153	Functionalized Graphene Quantum Dots Modulate Malignancy of Glioblastoma Multiforme by Downregulating Neurospheres Formation. *Journal of Carbon Research*, **2021**, 7, 4	3.3	0
152	Graphene nanoplatelet and graphene oxide functionalization of face mask materials inhibits infectivity of trapped SARS-CoV-2. *IScience*, **2021**, 24, 102788	6.1	22
151	In situ N-acetylcysteine release from polyvinyl alcohol film for moisture-activated food packaging. *Food Packaging and Shelf Life*, **2021**, 29, 100694	8.2	0
150	Spatiotemporal beam self-cleaning for high-resolution nonlinear fluorescence imaging with multimode fiber. *Scientific Reports*, **2021**, 11, 18240	4.9	3
149	Laser-Mediated antibacterial effects of Few- and Multi-Layer Ti3C2Tx MXenes. *Applied Surface Science*, **2021**, 567, 150795	6.7	9
148	Biosynthesis and physico-chemical characterization of high performing peptide hydrogels@graphene oxide composites. *Colloids and Surfaces B: Biointerfaces*, **2021**, 207, 111989	6	1
147	Celecoxib Exerts Neuroprotective Effects in Amyloid-Treated SH-SY5Y Cells Through the Regulation of Heme Oxygenase-1: Novel Insights for an Old Drug. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 561179	5.7	9
146	Can graphene take part in the fight against COVID-19?. *Nano Today*, **2020**, 33, 100883	17.9	137
145	Unravelling the Potential of Graphene Quantum Dots in Biomedicine and Neuroscience. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	36
144	3D Graphene Scaffolds for Skeletal Muscle Regeneration: Future Perspectives. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 383	5.8	12
143	A time-dependent study of nano-mechanical and ultrastructural properties of internal limiting membrane under ocriplasmin treatment. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103853	4.1	4

142	Graphene-based scaffolds for tissue engineering and photothermal therapy. *Nanomedicine*, **2020**, 15, 1411-1417	5.6	15
141	Graphene Oxide Nano-Concentrators Selectively Modulate RNA Trapping According to Metal Cations in Solution. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 421	5.8	3
140	Circulating miRNAs in Small Extracellular Vesicles Secreted by a Human Melanoma Xenograft in Mouse Brains. *Cancers*, **2020**, 12,	6.6	4
139	3D-printed graphene for bone reconstruction. *2D Materials*, **2020**, 7, 022004	5.9	12
138	On the Role of Human Umbilical Cord Biomechanics. *Conference Proceedings of the Society for Experimental Mechanics*, **2020**, 81-86	0.3	
137	Biocompatibility assessment of sub-5 nm silica-coated superparamagnetic iron oxide nanoparticles in human stem cells and in mice for potential application in nanomedicine. *Nanoscale*, **2020**, 12, 1759-1778	7.7	12
136	Antimicrobial and Antibiofilm Properties of Graphene Oxide on. *Antibiotics*, **2020**, 9,	4.9	4
135	Fourier Transform Infrared Spectroscopy as a useful tool for the automated classification of cancer cell-derived exosomes obtained under different culture conditions. *Analytica Chimica Acta*, **2020**, 1140, 219-227	6.6	9
134	Graphene Oxide-Linezolid Combination as Potential New Anti-Tuberculosis Treatment. *Nanomaterials*, **2020**, 10,	5.4	12
133	Noncanonical type 2B von Willebrand disease associated with mutations in the VWF D3 and D4 domains. *Blood Advances*, **2020**, 4, 3405-3415	7.8	1
132	Searching for the Mechanical Fingerprint of Pre-diabetes in T1DM: A Case Report Study. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 569978	5.8	1
131	Enhanced Chemotherapy for Glioblastoma Multiforme Mediated by Functionalized Graphene Quantum Dots. *Materials*, **2020**, 13,	3.5	6
130	Graphene Quantum Dots Surface Chemistry Modulates the Sensitivity of Glioblastoma Cells to Chemotherapeutics. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
129	A comparative experimental and theoretical study of the mechanism of graphene oxide mild reduction by ascorbic acid and N-acetyl cysteine for biomedical applications. *Materials Advances*, **2020**, 1, 2745-2754	3.3	2
128	Living optical random neural network with three dimensional tumor spheroids for cancer morphodynamics. *Communications Physics*, **2020**, 3,	5.4	3
127	Expression of Pinopodes in the Endometrium from Recurrent Pregnancy Loss Women. Role of Thrombomodulin and Ezrin. *Journal of Clinical Medicine*, **2020**, 9,	5.1	3
126	Erythrocyte viscoelastic recovery after liver transplantation in a cirrhotic patient affected by spur cell anaemia. *Journal of Microscopy*, **2020**, 280, 287-296	1.9	3
125	Carbon nanomaterials: a new way against tuberculosis. *Expert Review of Medical Devices*, **2019**, 16, 863-875	3.5	11

124	Microfluidic manufacturing of surface-functionalized graphene oxide nanoflakes for gene delivery. *Nanoscale*, **2019**, 11, 2733-2741	7.7	43
123	Graphene oxide touches blood: in vivo interactions of bio-coronated 2D materials. *Nanoscale Horizons*, **2019**, 4, 273-290	10.8	58
122	Disease-specific protein corona sensor arrays may have disease detection capacity. *Nanoscale Horizons*, **2019**, 4, 1063-1076	10.8	41
121	Microfluidic-generated lipid-graphene oxide nanoparticles for gene delivery. *Applied Physics Letters* , **2019**, 114, 233701	3.4	16
120	Exploitation of nanoparticle-protein interactions for early disease detection. *Applied Physics Letters* , **2019**, 114, 163702	3.4	15
119	A novel method for post-mortem interval estimation based on tissue nano-mechanics. *International Journal of Legal Medicine*, **2019**, 133, 1133-1139	3.1	13
118	Biocompatible N-acetyl cysteine reduces graphene oxide and persists at the surface as a green radical scavenger. *Chemical Communications*, **2019**, 55, 4186-4189	5.8	15
117	Nanomechanical mapping helps explain differences in outcomes of eye microsurgery: A comparative study of macular pathologies. *PLoS ONE*, **2019**, 14, e0220571	3.7	11
116	The biomechanics of the umbilical cord Wharton Jelly: Roles in hemodynamic proficiency and resistance to compression. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 100, 103377	4.1	4
115	Converting the personalized biomolecular corona of graphene oxide nanoflakes into a high-throughput diagnostic test for early cancer detection. *Nanoscale*, **2019**, 11, 15339-15346	7.7	29
114	Efficient Spatial Sampling for AFM-Based Cancer Diagnostics: A Comparison between Neural Networks and Conventional Data Analysis. *Condensed Matter*, **2019**, 4, 58	1.8	6
113	Dynamic structural determinants underlie the neurotoxicity of the N-terminal tau 26-44 peptide in Alzheimer's disease and other human tauopathies. *International Journal of Biological Macromolecules*, **2019**, 141, 278-289	7.9	11
112	Optical neural network for cancer morphodynamics sensing **2019**,		1
111	Graphene oxide prevents mycobacteria entry into macrophages through extracellular entrapment. *Nanoscale Advances*, **2019**, 1, 1421-1431	5.1	17
110	Optical Neural Network by Disordered Tumor Spheroids **2019**,		1
109	A protein chimera self-assembling unit for drug delivery. *Biotechnology Progress*, **2019**, 35, e2769	2.8	1
108	Curcumin-loaded graphene oxide flakes as an effective antibacterial system against methicillin-resistant. *Interface Focus*, **2018**, 8, 20170059	3.9	46
107	Antibacterial Properties of Curcumin Loaded Graphene Oxide Flakes. *Biophysical Journal*, **2018**, 114, 362a	2.9	3

106	Principal component analysis of personalized biomolecular corona data for early disease detection. *Nano Today*, **2018**, 21, 14-17	17.9	30
105	Human Biomolecular Corona of Liposomal Doxorubicin: The Overlooked Factor in Anticancer Drug Delivery. *ACS Applied Materials & Interfaces*, **2018**, 10, 22951-22962	9.5	33
104	Reduction and shaping of graphene-oxide by laser-printing for controlled bone tissue regeneration and bacterial killing. *2D Materials*, **2018**, 5, 015027	5.9	25
103	Design and characterization of chionodracine-derived antimicrobial peptides with enhanced activity against drug-resistant human pathogens.. *RSC Advances*, **2018**, 8, 41331-41346	3.7	8
102	Graphene oxide coatings prevent Candida albicans biofilm formation with a controlled release of curcumin-loaded nanocomposites. *Nanomedicine*, **2018**, 13, 2867-2879	5.6	42
101	Graphene Oxide Induced Osteogenesis Quantification by In-Situ 2D-Fluorescence Spectroscopy. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	10
100	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. *Cellular Microbiology*, **2018**, 20, e12952	3.9	12
99	Nanoscale mechanics of brain abscess: An atomic force microscopy study. *Micron*, **2018**, 113, 34-40	2.3	11
98	Bacteria Meet Graphene: Modulation of Graphene Oxide Nanosheet Interaction with Human Pathogens for Effective Antimicrobial Therapy. *ACS Biomaterials Science and Engineering*, **2017**, 3, 619-627	5.5	85
97	In vitro biocompatibility study of sub-5 nm silica-coated magnetic iron oxide fluorescent nanoparticles for potential biomedical application. *Scientific Reports*, **2017**, 7, 46513	4.9	29
96	Clinically approved PEGylated nanoparticles are covered by a protein corona that boosts the uptake by cancer cells. *Nanoscale*, **2017**, 9, 10327-10334	7.7	62
95	□Dystroglycan hypoglycosylation affects cell migration by influencing □dystroglycan membrane clustering and filopodia length: A multiscale confocal microscopy analysis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2182-2191	6.9	8
94	Liposome-based sensor for the detection of bacteria. *Sensors and Actuators B: Chemical*, **2017**, 248, 247-256	6.9	10
93	The graphene oxide contradictory effects against human pathogens. *Nanotechnology*, **2017**, 28, 152001	3.4	68
92	Nanoindentation characterisation of human colorectal cancer cells considering cell geometry, surface roughness and hyperelastic constitutive behaviour. *Nanotechnology*, **2017**, 28, 045703	3.4	13
91	A fully-automated neural network analysis of AFM force-distance curves for cancer tissue diagnosis. *Applied Physics Letters*, **2017**, 111, 143701	3.4	27
90	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. *PLoS ONE*, **2017**, 12, e0184109	3.7	13
89	Different effects of matrix degrading enzymes towards biofilms formed by E. faecalis and E. faecium clinical isolates. *Colloids and Surfaces B: Biointerfaces*, **2017**, 158, 349-355	6	16

88	INSIDIA: A FIJI Macro Delivering High-Throughput and High-Content Spheroid Invasion Analysis. *Biotechnology Journal*, **2017**, 12, 1700140	5.6	16
87	Nano-Mechanical Response of Red Blood Cells. *Conference Proceedings of the Society for Experimental Mechanics*, **2017**, 11-16	0.3	4
86	Viscohyperelastic Calibration in Mechanical Characterization of Soft Matter. *Conference Proceedings of the Society for Experimental Mechanics*, **2017**, 33-37	0.3	
85	Mechanic Adaptability of Metastatic Cells in Colon Cancer. *Conference Proceedings of the Society for Experimental Mechanics*, **2017**, 1-9	0.3	
84	A protein corona-enabled blood test for early cancer detection. *Nanoscale*, **2017**, 9, 349-354	7.7	61
83	Extracellular truncated tau causes early presynaptic dysfunction associated with Alzheimer disease and other tauopathies. *Oncotarget*, **2017**, 8, 64745-64778	3.3	38
82	In vitro effect of clarithromycin and alginate lyase against helicobacter pylori biofilm. *Biotechnology Progress*, **2016**, 32, 1584-1591	2.8	15
81	Nano-mechanical signature of brain tumours. *Nanoscale*, **2016**, 8, 19629-19643	7.7	47
80	Recent advances in superhydrophobic surfaces and their relevance to biology and medicine. *Bioinspiration and Biomimetics*, **2016**, 11, 011001	2.6	34
79	Improved Doxorubicin Encapsulation and Pharmacokinetics of Ferritin-Fusion Protein Nanocarriers Bearing Proline, Serine, and Alanine Elements. *Biomacromolecules*, **2016**, 17, 514-22	6.9	67
78	A Deeper Look Into Immature Porcine Zona Pellucida Visco-hyperelasticity. *Conference Proceedings of the Society for Experimental Mechanics*, **2016**, 85-89	0.3	1
77	Changes in cellular mechanical properties during onset or progression of colorectal cancer. *World Journal of Gastroenterology*, **2016**, 22, 7203-14	5.6	33
76	Estradiol protective role in atherogenesis through LDL structure modification. *Journal Physics D: Applied Physics*, **2016**, 49, 285402	3	1
75	Biomimetic antimicrobial cloak by graphene-oxide agar hydrogel. *Scientific Reports*, **2016**, 6, 12	4.9	111
74	The future development of bacteria fighting medical devices: the role of graphene oxide. *Expert Review of Medical Devices*, **2016**, 13, 1013-1019	3.5	63
73	Controlling DNA Bundle Size and Spatial Arrangement in Self-assembled Arrays on Superhydrophobic Surface. *Nano-Micro Letters*, **2015**, 7, 146-151	19.5	7
72	An integrated superhydrophobic-plasmonic biosensor for mid-infrared protein detection at the femtomole level. *Physical Chemistry Chemical Physics*, **2015**, 17, 21337-42	3.6	21
71	Effect of AFM probe geometry on visco-hyperelastic characterization of soft materials. *Nanotechnology*, **2015**, 26, 325701	3.4	20

70	Mechanical and structural comparison between primary tumor and lymph node metastasis cells in colorectal cancer. *Soft Matter*, **2015**, 11, 5719-26	3.6	54
69	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. *British Journal of Cancer*, **2015**, 112, 1675-86	8.7	28
68	In vitro effect of temperature on the conformational structure and collagen binding of SdrF, a Staphylococcus epidermidis adhesin. *Applied Microbiology and Biotechnology*, **2015**, 99, 5593-603	5.7	4
67	Plasma protein corona reduces the haemolytic activity of graphene oxide nano and micro flakes. *RSC Advances*, **2015**, 5, 81638-81641	3.7	44
66	Quantitative analysis of autophagic flux by confocal pH-imaging of autophagic intermediates. *Autophagy*, **2015**, 11, 1905-16	10.2	49
65	Killing cancer cells using nanotechnology: novel poly(I:C) loaded liposome-silica hybrid nanoparticles. *Journal of Materials Chemistry B*, **2015**, 3, 7408-7416	7.3	16
64	Mapping viscoelastic properties of healthy and pathological red blood cells at the nanoscale level. *Nanoscale*, **2015**, 7, 17030-7	7.7	65
63	VP6-SUMO Self-Assembly as Nanocarriers for Gastrointestinal Delivery. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	6
62	Effect of Alginate Lyase on Biofilm-GrownHelicobacter pyloriProbed by Atomic Force Microscopy. *International Journal of Polymer Science*, **2015**, 2015, 1-9	2.4	228
61	A Preliminary Investigation on the Mechanical Behavior of Umbilical Cord With Moir Techniques. *Conference Proceedings of the Society for Experimental Mechanics*, **2015**, 47-52	0.3	
60	Study on the Visco-Hyperelastic Behavior of the Zona Pellucida. *Conference Proceedings of the Society for Experimental Mechanics*, **2015**, 53-62	0.3	0
59	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 740, 138-146	1.2	8
58	Dynamic light scattering for the characterization and counting of extracellular vesicles: a powerful noninvasive tool. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	60
57	Controlling the Cassie-to-Wenzel Transition: an Easy Route towards the Realization of Tridimensional Arrays of Biological Objects. *Nano-Micro Letters*, **2014**, 6, 280-286	19.5	11
56	Time evolution of noise induced oxidation in outer hair cells: role of NAD(P)H and plasma membrane fluidity. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 2192-202	4	40
55	Quantitative assessment of the relationship between cellular morphodynamics and signaling events by stochastic analysis of fluorescent images. *Microscopy and Microanalysis*, **2014**, 20, 1198-207	0.5	3
54	Synthesis and characterization of different immunogenic viral nanoconstructs from rotavirus VP6 inner capsid protein. *International Journal of Nanomedicine*, **2014**, 9, 2727-39	7.3	16
53	Novel fluorescent security marker. Part II: application of novel 6-alkoxy-2-amino-3,5-pyridinedicarbonitrile nanoparticles in safety paper. *RSC Advances*, **2014**, 4, 59614-59625	3.7	10

52	Nanoscale characterization of the biomechanical properties of collagen fibrils in the sclera. *Applied Physics Letters*, **2014**, 104, 103703	3.4	14
51	Biomechanical investigation of colorectal cancer cells. *Applied Physics Letters*, **2014**, 105, 123701	3.4	30
50	A hybrid characterization framework to determine the visco-hyperelastic properties of a porcine zona pellucida. *Interface Focus*, **2014**, 4, 20130066	3.9	29
49	Gelatin tannate ameliorates acute colitis in mice by reinforcing mucus layer and modulating gut microbiota composition: Emerging role for Gut barrier protectorsQn IBD?. *United European Gastroenterology Journal*, **2014**, 2, 113-22	5.3	21
48	Misfolding of apoprotein B-100, LDL aggregation and 17-estradiol in atherogenesis. *Current Medicinal Chemistry*, **2014**, 21, 2276-83	4.3	8
47	Controlling the Cassie-to-Wenzel Transition: an Easy Route towards the Realization of Tridimensional Arrays of Biological Objects **2014**, 6, 280		1
46	Wet sample confinement by superhydrophobic patterned surfaces for combined X-ray fluorescence and X-ray phase contrast imaging. *Microelectronic Engineering*, **2013**, 111, 304-309	2.5	15
45	crystallin modulates its chaperone activity by varying the exposed surface. *ChemBioChem*, **2013**, 14, 2362-70	3.8	9
44	Self-assembling of large ordered DNA arrays using superhydrophobic patterned surfaces. *Nanotechnology*, **2013**, 24, 495302	3.4	25
43	A fast and quantitative evaluation of the Aspergillus fumigatus biofilm adhesion properties by means of digital pulsed force mode. *Applied Surface Science*, **2013**, 279, 409-415	6.7	10
42	Biological and structural characterization of a naturally inspired material engineered from elastin as a candidate for tissue engineering applications. *Langmuir*, **2013**, 29, 15898-906	4	10
41	Potential new mechanisms of placental damage in celiac disease: anti-transglutaminase antibodies impair human endometrial angiogenesis. *Biology of Reproduction*, **2013**, 89, 88	3.9	22
40	Selective targeting capability acquired with a protein corona adsorbed on the surface of 1,2-dioleoyl-3-trimethylammonium propane/DNA nanoparticles. *ACS Applied Materials & Interfaces*, **2013**, 5, 13171-9	9.5	119
39	Viscous forces are predominant in the zona pellucida mechanical resistance. *Applied Physics Letters*, **2013**, 102, 043703	3.4	20
38	The type 2B p.R1306W natural mutation of von Willebrand factor dramatically enhances the multimer sensitivity to shear stress. *Journal of Thrombosis and Haemostasis*, **2013**, 11, 1688-98	15.4	15
37	Mechanism of aluminium bio-mineralization in the apoferritin cavity. *Applied Physics Letters*, **2013**, 103, 083701	3.4	20
36	Effect of the residual stress on soft sample nanoindentation. *Applied Physics Letters*, **2013**, 102, 133704	3.4	21
35	In vitro interaction between alginate lyase and amphotericin B against Aspergillus fumigatus biofilm determined by different methods. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 1275-82	5.9	43

34	Leuprorelin acetate long-lasting effects on GnRH receptors of prostate cancer cells: an atomic force microscopy study of agonist/receptor interaction. *PLoS ONE*, **2013**, 8, e52530	3.7	14
33	Detection of biofilm-grown Aspergillus fumigatus by means of atomic force spectroscopy: ultrastructural effects of alginate lyase. *Microscopy and Microanalysis*, **2012**, 18, 1088-94	0.5	19
32	Continuous thermal collapse of the intrinsically disordered protein tau is driven by its entropic flexible domain. *Langmuir*, **2012**, 28, 13405-10	4	29
31	Transient state kinetic investigation of ferritin iron release. *Applied Physics Letters*, **2012**, 100, 073703	3.4	30
30	The thermal structural transition of alpha-crystallin modulates subunit interactions and increases protein solubility. *PLoS ONE*, **2012**, 7, e30705	3.7	4
29	Whole-depth change in bovine zona pellucida biomechanics after fertilization: how relevant in hindering polyspermy?. *PLoS ONE*, **2012**, 7, e45696	3.7	28
28	Epithelial-stromal interactions in human breast cancer: effects on adhesion, plasma membrane fluidity and migration speed and directness. *PLoS ONE*, **2012**, 7, e50804	3.7	70
27	Janus-faced liposomes enhance antimicrobial innate immune response in Mycobacterium tuberculosis infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1360-8	11.5	44
26	Nanoscale characterization of the biomechanical hardening of bovine zona pellucida. *Journal of the Royal Society Interface*, **2012**, 9, 2871-82	4.1	44
25	Nanocavities trapped along fibrin fibers allow the diffusion of thrombolytic drugs. *Applied Physics Letters*, **2011**, 99, 223701	3.4	2
24	Controlled self assembly of collagen nanoparticle. *Journal of Nanoparticle Research*, **2011**, 13, 6141-6147	2.3	34
23	The thermal structural transition of □crystallin inhibits the heat induced self-aggregation. *PLoS ONE*, **2011**, 6, e18906	3.7	12
22	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. *Immunology*, **2010**, 129, 125-32	7.8	29
21	Mechanical properties of zona pellucida hardening. *European Biophysics Journal*, **2010**, 39, 987-92	1.9	51
20	Compartmentalization of the redox environment in PC-12 neuronal cells. *European Biophysics Journal*, **2010**, 39, 993-9	1.9	11
19	Cl- and F- anions regulate the architecture of protofibrils in fibrin gel. *European Biophysics Journal*, **2010**, 39, 1001-6	1.9	11
18	Ristocetin-induced self-aggregation of von Willebrand factor. *European Biophysics Journal*, **2010**, 39, 1597-603	1.9	30
17	Intervillous circulation in intra-uterine growth restriction. Correlation to fetal well being. *Placenta*, **2010**, 31, 1051-6	3.4	29

16	Evidence of elastic to plastic transition in the zona pellucida of oocytes using atomic force spectroscopy. *Applied Physics Letters*, **2009**, 94, 153902	3.4	35
15	CpG oligodeoxynucleotides promote phospholipase D dependent phagolysosome maturation and intracellular mycobacterial killing in M. tuberculosis infected type II alveolar epithelial cells. *Cellular Immunology*, **2009**, 259, 1-4	4.4	5
14	Investigation of the spatial distribution of glutathione redox-balance in live cells by using Fluorescence Ratio Imaging Microscopy. *Biosensors and Bioelectronics*, **2009**, 25, 682-7	11.8	24
13	Detection of microviscosity by using uncalibrated atomic force microscopy cantilevers. *Applied Physics Letters*, **2008**, 93, 124102	3.4	23
12	Low density lipoprotein misfolding and amyloidogenesis. *FASEB Journal*, **2008**, 22, 2350-6	0.9	39
11	Modifications in solvent clusters embedded along the fibers of a cellulose polymer network cause paper degradation. *Physical Review E*, **2008**, 77, 041801	2.4	26
10	Globular structure of human ovulatory cervical mucus. *FASEB Journal*, **2007**, 21, 3872-6	0.9	64
9	Lysophosphatidic acid enhances antimycobacterial activity both in vitro and ex vivo. *Clinical Immunology*, **2006**, 121, 23-8	9	22
8	Simulated point mutations in the Aalpha-chain of human fibrinogen support a role of the alphaC domain in the stabilization of fibrin gel. *Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research*, **2006**, 35, 417-27		6
7	Low density lipoprotein aged in plasma forms clusters resembling subendothelial droplets: aggregation via surface sites. *Biophysical Journal*, **2006**, 90, 4239-47	2.9	31
6	Fluid viscosity determination by means of uncalibrated atomic force microscopy cantilevers. *Applied Physics Letters*, **2006**, 88, 194102	3.4	36
5	Modifications of the mesoscopic structure of cellulose in paper degradation. *Physical Review Letters*, **2006**, 97, 238001	7.4	25
4	CpG oligodeoxynucleotides induce Ca2+-dependent phospholipase D activity leading to phagolysosome maturation and intracellular mycobacterial growth inhibition in monocytes. *Biochemical and Biophysical Research Communications*, **2006**, 347, 963-9	3.4	10
3	Simultaneous static and dynamic light scattering approach to the characterization of the different fibrin gel structures occurring by changing chloride concentration. *Applied Physics Letters*, **2005**, 86, 183901	3.4	21
2	Small- and wide-angle elastic light scattering study of fibrin structure. *Journal of Applied Crystallography*, **2003**, 36, 636-641	3.8	35
1	Graphene nanoplatelet and Graphene oxide functionalization of face mask materials inhibits infectivity of trapped SARS-CoV-2		5