Francesca Baldelli Bombelli

List of Publications by Year
in descending order

76	8,804	31	74
papers	citations	h-index	g-index
		147726	76872

77	77	77	11873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physicalâˆ’Chemical Aspects of Protein Corona: Relevance to <i>in Vitro</i> and <i>in Vivo</i> Biological Impacts of Nanoparticles. Journal of the American Chemical Society, 2011, 133, 2525-2534.	6.6	1,577
2	Transferrin-functionalized nanoparticles lose their targeting capabilities when a biomolecule corona adsorbs on the surface. Nature Nanotechnology, 2013, 8, 137-143.	15.6	1,516
3	Proteinâˆ’Nanoparticle Interactions: Opportunities and Challenges. Chemical Reviews, 2011, 111, 5610-5637.	23.0	1,242
4	What the Cell â€œSeesâ€•in Bionanoscience. Journal of the American Chemical Society, 2010, 132, 5761-5768.	6.6	1,075
5	Reversible <i>versus</i> Irreversible Binding of Transferrin to Polystyrene Nanoparticles: Soft and Hard Corona. ACS Nano, 2012, 6, 2532-2541.	7.3	431
6	¹⁹F Magnetic Resonance Imaging (MRI): From Design of Materials to Clinical Applications. Chemical Reviews, 2015, 115, 1106-1129.	23.0	401
7	Designing the nanoparticleâ€“biomolecule interface for â€œtargeting and therapeutic deliveryâ€• Journal of Controlled Release, 2012, 161, 164-174.	4.8	344
8	Nanoparticle coronas take shape. Nature Nanotechnology, 2011, 6, 11-12.	15.6	183
9	Surface Coatings Shape the Protein Corona of SPIONs with Relevance to Their Application in Vivo. Langmuir, 2012, 28, 14983-14991.	1.6	136
10	Exploring Cellular Interactions of Liposomes Using Protein Corona Fingerprints and Physicochemical Properties. ACS Nano, 2016, 10, 3723-3737.	7.3	130
11	A Superfluorinated Molecular Probe for Highly Sensitive <i>in Vivo</i>¹⁹F-MRI. Journal of the American Chemical Society, 2014, 136, 8524-8527.	6.6	113
12	Magnetoliposomes for controlled drug release in the presence of low-frequency magnetic field. Soft Matter, 2010, 6, 154-162.	1.2	95
13	Nanomedicine delivery: does protein corona route to the target or off road?. Nanomedicine, 2015, 10, 3231-3247.	1.7	86
14	Transferrin Coated Nanoparticles: Study of the Bionano Interface in Human Plasma. PLoS ONE, 2012, 7, e40685.	1.1	80
15	Controlled drug release under a low frequency magnetic field: effect of the citrate coating on magnetoliposomes stability. Soft Matter, 2011, 7, 1025-1037.	1.2	78
16	The scope of nanoparticle therapies for future metastatic melanoma treatment. Lancet Oncology, The, 2014, 15, e22-e32.	5.1	75
17	Effect of protein corona magnetite nanoparticles derived from bread in vitro digestion on Caco-2 cells morphology and uptake. International Journal of Biochemistry and Cell Biology, 2016, 75, 212-222.	1.2	60
18	Phospholipid Membranes Decorated by Cholesterol-Based Oligonucleotides as Soft Hybrid Nanostructures. Journal of Physical Chemistry B, 2008, 112, 10942-10952.	1.2	56

#	Article	IF	Citations
19	Nanobiotechnology: Nanoparticle coronas take shape. Nature Nanotechnology, 2011, 6, 11-12.	15.6	55
20	Characterization of the bionano interface and mapping extrinsic interactions of the corona of nanomaterials. Nanoscale, 2015, 7, 15268-15276.	2.8	52
21	Nucleolipoplexes:â€‰ A New Paradigm for Phospholipid Bilayerâˆ’Nucleic Acid Interactions. Journal of the American Chemical Society, 2007, 129, 11664-11665.	6.6	49
22	Multicore Liquid Perfluorocarbonâ€Loaded Multimodal Nanoparticles for Stable Ultrasound and ¹⁹F MRI Applied to In Vivo Cell Tracking. Advanced Functional Materials, 2019, 29, 1806485.	7.8	47
23	The effect of the protein corona on the interaction between nanoparticles and lipid bilayers. Journal of Colloid and Interface Science, 2017, 504, 741-750.	5.0	44
24	Bioreducible Hydrophobin-Stabilized Supraparticles for Selective Intracellular Release. ACS Nano, 2017, 11, 9413-9423.	7.3	44
25	Oral delivery of nanoparticles - letâ€™s not forget about the protein corona. Expert Opinion on Drug Delivery, 2019, 16, 563-566.	2.4	43
26	Stability of plant virus-based nanocarriers in gastrointestinal fluids. Nanoscale, 2018, 10, 1667-1679.	2.8	40
27	Magnetic field responsive drug release from magnetoliposomes in biological fluids. Journal of Materials Chemistry B, 2016, 4, 716-725.	2.9	37
28	Multispectral MRI with Dual Fluorinated Probes to Track Mononuclear Cell Activity in Mice. Radiology, 2019, 291, 351-357.	3.6	36
29	The Role of Temperature and Lipid Charge on Intake/Uptake of Cationic Gold Nanoparticles into Lipid Bilayers. Small, 2019, 15, e1805046.	5.2	35
30	Halogenation dictates the architecture of amyloid peptide nanostructures. Nanoscale, 2017, 9, 9805-9810.	2.8	33
31	Technical tip: high-resolution isolation of nanoparticleâ€“protein corona complexes from physiological fluids. Nanoscale, 2015, 7, 11980-11990.	2.8	32
32	Giant Polymerlike Micelles Formed by Nucleoside-Functionalized Lipids. Journal of Physical Chemistry B, 2002, 106, 11613-11621.	1.2	31
33	Closed nanoconstructs assembled by step-by-step ss-DNA coupling assisted by phospholipid membranes. Soft Matter, 2009, 5, 1639.	1.2	29
34	A Bioorthogonal Probe for Multiscale Imaging by ¹⁹F-MRI and Raman Microscopy: From Whole Body to Single Cells. Journal of the American Chemical Society, 2021, 143, 12253-12260.	6.6	29
35	Amphiphilic Self-Assemblies Decorated by Nucleobases. Journal of Physical Chemistry B, 2007, 111, 11734-11744.	1.2	28
36	Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Waterâ€Dispersible Fluorous Supraparticles. Angewandte Chemie - International Edition, 2017, 56, 16186-16190.	7.2	27

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37	Flexibility of Dilauroyl-Phosphatidyl-Nucleoside Wormlike Micelles in Aqueous Solutions. Journal of Physical Chemistry B, 2004, 108, 16427-16434.	1.2	25
38	<i>In Situ</i>Generation of Chiroptically-Active Gold-Peptide Superstructures Promoted by Iodination. ACS Nano, 2019, 13, 2158-2166.	7.3	25
39	DNA Closed Nanostructures: A Structural and Monte Carlo Simulation Study. Journal of Physical Chemistry B, 2008, 112, 15283-15294.	1.2	23
40	Hydrophobin-stabilized dispersions of PVDF nanoparticles in water. Journal of Fluorine Chemistry, 2015, 177, 62-69.	0.9	22
41	Nanoparticles for â€œtwo colorâ€•19F magnetic resonance imaging: Towards combined imaging of biodistribution and degradation. Journal of Colloid and Interface Science, 2020, 565, 278-287.	5.0	22
42	Design of fluorinated hyperbranched polyether copolymers for ¹⁹F MRI nanotheranostics. Polymer Chemistry, 2020, 11, 3951-3963.	1.9	22
43	Light Scattering and Cryo-Transmission Electron Microscopy Investigation of the Self-Assembling Behavior of Di-C12P-Nucleosides in Solution. Journal of Physical Chemistry B, 2006, 110, 17627-17637.	1.2	21
44	An early developmental vertebrate model for nanomaterial safety: bridging cell-based and mammalian toxicity assessment. Nanomedicine, 2016, 11, 643-656.	1.7	21
45	Superfluorinated and NIR-luminescent gold nanoclusters. Chemical Communications, 2017, 53, 621-624.	2.2	20
46	Structural Investigation of Bilayers Formed by 1-Palmitoyl-2-Oleoylphosphatidylnucleosides. Biophysical Journal, 2006, 90, 1260-1269.	0.2	18
47	Viral nanoparticles can elude protein barriers: exploiting rather than imitating nature. Nanoscale, 2019, 11, 2306-2316.	2.8	18
48	COMPARISONS OF NANOPARTICLE PROTEIN CORONA COMPLEXES ISOLATED WITH DIFFERENT METHODS. Nano LIFE, 2013, 03, 1343004.	0.6	16
49	BODIPY Dyes Bearing Multibranched Fluorinated Chains: Synthesis, Structural, and Spectroscopic Studies. Chemistry - A European Journal, 2019, 25, 9078-9087.	1.7	16
50	Fluorinated PLGA Nanoparticles for Enhanced Drug Encapsulation and ¹⁹Fâ€...NMR Detection. Chemistry - A European Journal, 2020, 26, 10057-10063.	1.7	14
51	Collective headgroup conformational transition in twisted micellar superstructures. Soft Matter, 2008, 4, 1102.	1.2	13
52	Janus-Type Dendrimers Based on Highly Branched Fluorinated Chains with Tunable Self-Assembly and ¹⁹F Nuclear Magnetic Resonance Properties. Macromolecules, 0, , .	2.2	13
53	Confined space design by nanoparticle self-assembly. Chemical Science, 2021, 12, 1632-1646.	3.7	12
54	Halogen bond-assisted self-assembly of gold nanoparticles in solution and on a planar surface. Nanoscale, 2019, 11, 18407-18415.	2.8	11

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55	High-resolution crystal structure of a 20â€‰kDa superfluorinated gold nanocluster. Nature Communications, 2022, 13, 2607.	5.8	10
56	Living polynucleotides formed by the spontaneous aggregation of dilauroylphosphonucleosides. Applied Physics A: Materials Science and Processing, 2002, 74, s1270-s1273.	1.1	9
57	The polyplex, protein corona, cell interplay: Tips and drawbacks. Colloids and Surfaces B: Biointerfaces, 2018, 168, 60-67.	2.5	9
58	Nanoparticleâ€"Membrane Interactions: The Role of Temperature and Lipid Charge on Intake/Uptake of Cationic Gold Nanoparticles into Lipid Bilayers (Small 23/2019). Small, 2019, 15, 1970124.	5.2	8
59	Enhanced self-assembly of the 7â€"12 sequence of amyloid-Î² peptide by tyrosine bromination. Supramolecular Chemistry, 2020, 32, 247-255.	1.5	8
60	Composite Peptideâ€"Agarose Hydrogels for Robust and High-Sensitivity 3D Immunoassays. ACS Applied Materials & Interfaces, 2022, 14, 4811-4822.	4.0	8
61	Halogenation of the N â€Terminus Tyrosine 10 Promotes Supramolecular Stabilization of the Amyloidâ€Î² Sequence 7â€"12. ChemistryOpen, 2020, 9, 253-260.	0.9	6
62	Enhanced DNA strand exchange on positively charged liposomes. Soft Matter, 2008, 4, 2500.	1.2	5
63	Crystallographic insights into the structural aspects of thioctic acid based halogen-bond donor for the functionalization of gold nanoparticles. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 240-246.	0.5	5
64	Chemical characterization of fluorinated/hydrogenated mixed monolayers grafted on gold nanoparticles. Journal of Fluorine Chemistry, 2018, 206, 99-107.	0.9	5
65	Emergence of Elastic Properties in a Minimalist Resilinâ€Derived Heptapeptide upon Bromination. Small, 2022, 18, .	5.2	5
66	Nucleolipid membranes: structure and molecular recognition. Journal of Physics Condensed Matter, 2008, 20, 104212.	0.7	3
67	Soft Hybrid Nanostructures Composed of Phospholipid Liposomes Decorated with Oligonucleotides. Methods in Enzymology, 2009, 464, 249-277.	0.4	3
68	Nanoscopic Agents in a Physiological Environment: The Importance of Understanding Their Characteristics. Topics in Medicinal Chemistry, 2013, , 29-54.	0.4	3
69	Diastereoselective self-assembly of clofarabine lipids. New Journal of Chemistry, 2014, 38, 5247-5253.	1.4	3
70	Combining Cytotoxicity Assessment and Xenopus laevis Phenotypic Abnormality Assay as a Predictor of Nanomaterial Safety. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2017, 73, 20.13.1-20.13.33.	1.1	3
71	Hydrophobinâ€Coated Solid Fluorinated Nanoparticles for ¹⁹ Fâ€MRI. Advanced Materials Interfaces, 0, , 2101677.	1.9	3
72	DNA Strand Exchange on Liposome Surfaces. Nucleic Acids Symposium Series, 2008, 52, 465-465.	0.3	2

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73	Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Waterâ€Dispersible Fluorous Supraparticles. Angewandte Chemie, 2017, 129, 16404-16408.	1.6	2
74	Microstructure of ternary system di-lauroyl-phosphatidyl-adenosine/water/cyclohexane. Journal of Applied Crystallography, 2007, 40, s240-s244.	1.9	1
75	Structural characterization of Di-C₁₂P-uridine worm-like micelles: ionic strength dependence. Journal of Physics Condensed Matter, 2008, 20, 104213.	0.7	1
76	Titelbild: Efficient Encapsulation of Fluorinated Drugs in the Confined Space of Waterâ€Dispersible Fluorous Supraparticles (Angew. Chem. 51/2017). Angewandte Chemie, 2017, 129, 16309-16309.	1.6	1