

Margherita Morpurgo

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,671
citations

377584

21
h-index

325983

40
g-index

53
all docs

53
docs citations

53
times ranked

2500
citing authors

#	ARTICLE	IF	CITATIONS
1	The mode of dexamethasone decoration influences avidin-nucleic-acid-nano-assembly organ biodistribution and in vivo drug persistence. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 40, 102497.	1.7	4
2	Angiotensin II Promotes SARS-CoV-2 Infection via Upregulation of ACE2 in Human Bronchial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5125.	1.8	11
3	Dexamethasone Conjugation to Biodegradable Avidin-Nucleic-Acid-Nano-Assemblies Promotes Selective Liver Targeting and Improves Therapeutic Efficacy in an Autoimmune Hepatitis Murine Model. <i>ACS Nano</i> , 2019, 13, 4410-4423.	7.3	47
4	Improvement and extension of anti-EGFR targeting in breast cancer therapy by integration with the Avidin-Nucleic-Acid-Nano-Assemblies. <i>Nature Communications</i> , 2018, 9, 4070.	5.8	62
5	Discrimination between ulcerative colitis and Crohn's disease using phage display identified peptides and virus-mimicking synthetic nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2027-2036.	1.7	3
6	Gold-silver alloy semi-nanoshell arrays for label-free plasmonic biosensors. <i>Nanoscale</i> , 2017, 9, 10117-10125.	2.8	28
7	A New ELISA Using the ANANAS Technology Showing High Sensitivity to diagnose the Bovine Rhinotracheitis from Individual Sera to Pooled Milk. <i>PLoS ONE</i> , 2016, 11, e0145912.	1.1	12
8	Mesoporous silica sub-micron spheres as drug dissolution enhancers: Influence of drug and matrix chemistry on functionality and stability. <i>Materials Science and Engineering C</i> , 2016, 59, 585-593.	3.8	7
9	The p.R1819_C1948delinsS mutation makes von Willebrand factor ADAMTS13-resistant and reduces its collagen-binding capacity. <i>British Journal of Haematology</i> , 2015, 170, 564-573.	1.2	5
10	Detection of a fluorescent-labeled avidin-nucleic acid nanoassembly by confocal laser endomicroscopy in the microvasculature of chronically inflamed intestinal mucosa. <i>International Journal of Nanomedicine</i> , 2015, 10, 399.	3.3	11
11	A peptide nucleic acid label-free biosensor for Mycobacterium tuberculosis DNA detection via azimuthally controlled grating-coupled SPR. <i>Analytical Methods</i> , 2015, 7, 4173-4180.	1.3	18
12	Higher and lower active circulating VWF levels: different facets of von Willebrand disease. <i>British Journal of Haematology</i> , 2015, 171, 845-853.	1.2	5
13	Integrated architecture for the electrical detection of plasmonic resonances based on high electron mobility photo-transistors. <i>Nanoscale</i> , 2014, 6, 1390-1397.	2.8	4
14	In Vivo Fate of Avidin-Nucleic Acid Nanoassemblies as Multifunctional Diagnostic Tools. <i>ACS Nano</i> , 2014, 8, 175-187.	7.3	36
15	Quantitative control of poly(ethylene oxide) surface antifouling and biodetection through azimuthally enhanced grating coupled-surface plasmon resonance sensing. <i>Applied Surface Science</i> , 2013, 286, 22-30.	3.1	10
16	Plasmonic platforms for innovative surface plasmon resonance configuration with sensing applications. <i>Microelectronic Engineering</i> , 2013, 111, 348-353.	1.1	4
17	Novel compact architecture for high-resolution sensing with plasmonic gratings in conical mounting. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
18	Implementation and testing of a compact and high-resolution sensing device based on grating-coupled surface plasmon resonance with polarization modulation. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 179-187.	4.0	23

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19	C2362F mutation gives rise to an ADAMTS13-resistant von Willebrand factor. <i>Thrombosis and Haemostasis</i> , 2013, 109, 999-1006.	1.8	7
20	Enhanced sensitivity azimuthally controlled grating-coupled surface plasmon resonance applied to the calibration of thiol-poly(ethylene oxide) grafting. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 559-566.	4.0	9
21	Characterization of Multifunctional Nanosystems Based on the Avidin-Nucleic Acid Interaction As Signal Enhancers in Immuno-Detection. <i>Analytical Chemistry</i> , 2012, 84, 3433-3439.	3.2	19
22	Synthesis and Chromatography-Free Purification of PNA-PEO Conjugates for the Functionalisation of Gold Sensors. <i>Molecules</i> , 2012, 17, 11026-11045.	1.7	10
23	Sinusoidal plasmonic crystals for bio-detection sensors. <i>Microelectronic Engineering</i> , 2011, 88, 1898-1901.	1.1	20
24	Plasmonic Platforms for Biodetection Devices. , 2011, , .		2
25	The effect of Na ₂ CO ₃ , NaF and NH ₄ OH on the stability and release behavior of sol-gel derived silica xerogels embedded with bioactive compounds. <i>Acta Biomaterialia</i> , 2010, 6, 2246-2253.	4.1	26
26	Optimized Avidin Nucleic Acid Nanoassemblies by a Tailored PEGylation Strategy and Their Application as Molecular Amplifiers in Detection. <i>Bioconjugate Chemistry</i> , 2010, 21, 1254-1263.	1.8	15
27	<i>In vitro</i> and <i>in vivo</i> evaluation of acellular diaphragmatic matrices seeded with muscle precursors cells and coated with VEGF silica gels to repair muscle defect of the diaphragm. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 304-316.	2.1	38
28	Smart delivery of antitumoral platinum complexes from biomimetic hydroxyapatite nanocrystals. <i>Journal of Materials Chemistry</i> , 2009, 19, 8385.	6.7	84
29	Bisphosphonate complexation and calcium doping in silica xerogels as a combined strategy for local and controlled release of active platinum antitumor compounds. <i>Dalton Transactions</i> , 2007, , 3131.	1.6	48
30	fac-[Ru(CO) ₃] ²⁺ -Core Complexes and Design of Metal-Based Drugs. Synthesis, Structure, and Reactivity of Ru ^{II} -Thiazole Derivative with Serum Proteins and Absorption/Release Studies with Acryloyl and Silica Hydrogels as Carriers in Physiological Media. <i>Inorganic Chemistry</i> , 2007, 46, 79-92.	1.9	38
31	A Single-Step Photolithographic Interface for Cell-Free Gene Expression and Active Biochips. <i>Small</i> , 2007, 3, 500-510.	5.2	78
32	Wet sol-gel derived silica for controlled release of proteins. <i>Journal of Controlled Release</i> , 2006, 116, 295-303.	4.8	51
33	Evaluation of Silicon Dioxide-Based Coating Enriched with Bioactive Peptides Mapped on Human Vitronectin and Fibronectin: In Vitro and In Vivo Assays. <i>Tissue Engineering</i> , 2006, 12, 3509-3523.	4.9	15
34	Influence of synthesis and processing conditions on the release behavior and stability of sol-gel derived silica xerogels embedded with bioactive compounds. <i>Il Farmaco</i> , 2005, 60, 675-683.	0.9	13
35	Silica xerogels as a delivery system for the controlled release of different molecular weight heparins. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 601-606.	1.9	38
36	Conjugates of Peptides and Proteins to Polyethylene Glycols. , 2004, 283, 045-070.		33

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37	DNA condensation by high-affinity interaction with avidin. <i>Journal of Molecular Recognition</i> , 2004, 17, 558-566.	1.1	44
38	Selective Alkylation and Acylation of ϵ - and γ -Amino Groups with PEG in a Somatostatin Analogue: Tailored Chemistry for Optimized Bioconjugates. <i>Bioconjugate Chemistry</i> , 2002, 13, 1238-1243.	1.8	23
39	An approach to increased polyplex gene delivery by peptides selected from a phage display library. <i>Journal of Proteomics</i> , 2002, 52, 31-43.	2.4	12
40	Influence of processing conditions in the manufacture of O/W creams. <i>Il Farmaco</i> , 2002, 57, 341-347.	0.9	6
41	Influence of processing conditions in the manufacture of O/W creams. <i>Il Farmaco</i> , 2002, 57, 349-353.	0.9	2
42	A Labeling, Detection, and Purification System Based on 4-Hydroxyazobenzene-2-carboxylic Acid: An Extension of the Avidin-Biotin System. <i>Analytical Biochemistry</i> , 2000, 284, 354-366.	1.1	26
43	Bioconjugation in pharmaceutical chemistry. <i>Il Farmaco</i> , 1999, 54, 497-516.	0.9	145
44	N-hydroxysuccinimide carbonates and carbamates are useful reactive reagents for coupling ligands to lysines on proteins. <i>Journal of Proteomics</i> , 1999, 38, 17-28.	2.4	63
45	A Chemical Approach To Illustrate the Principle of Signal Transduction Cascades Using the Avidin-Biotin System. <i>Journal of the American Chemical Society</i> , 1998, 120, 12734-12739.	6.6	9
46	Preparation and Characterization of Poly(ethylene glycol) Vinyl Sulfone. <i>Bioconjugate Chemistry</i> , 1996, 7, 363-368.	1.8	173
47	Covalent modification of mushroom tyrosinase with different amphiphic polymers for pharmaceutical and biocatalysis applications. <i>Applied Biochemistry and Biotechnology</i> , 1996, 56, 59-72.	1.4	12
48	PROTECTIVE EFFECT OF SUPEROXIDE DISMUTASE AND POLYETHYLENE GLYCOL-LINKED SUPEROXIDE DISMUTASE AGAINST RENAL WARM ISCHEMIA/REPERFUSION INJURY. <i>Transplantation</i> , 1996, 62, 1221-1223.	0.5	30
49	Physico-Chemical and Biological Properties of Monofunctional Hydroxy Terminating Poly(N-Vinylpyrrolidone) Conjugated Superoxide Dismutase. <i>Journal of Bioactive and Compatible Polymers</i> , 1995, 10, 103-120.	0.8	38
50	A Branched Monomethoxypoly(ethylene glycol) for Protein Modification. <i>Bioconjugate Chemistry</i> , 1995, 6, 62-69.	1.8	240
51			