

Margherita Morpurgo

List of Publications by Year in descending order

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51
papers

1,671
citations

331670

21
h-index

289244

40
g-index

53
all docs

53
docs citations

53
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	A Branched Monomethoxypoly(ethylene glycol) for Protein Modification. <i>Bioconjugate Chemistry</i> , 1995, 6, 62-69.	3.6	240
2	Preparation and Characterization of Poly(ethylene glycol) Vinyl Sulfone. <i>Bioconjugate Chemistry</i> , 1996, 7, 363-368.	3.6	173
3	Bioconjugation in pharmaceutical chemistry. <i>Il Farmaco</i> , 1999, 54, 497-516.	0.9	145
4	Smart delivery of antitumoral platinum complexes from biomimetic hydroxyapatite nanocrystals. <i>Journal of Materials Chemistry</i> , 2009, 19, 8385.	6.7	84
5	A Single-Step Photolithographic Interface for Cell-Free Gene Expression and Active Biochips. <i>Small</i> , 2007, 3, 500-510.	10.0	78
6	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
7	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.	12.8	62
8	Wet sol-gel derived silica for controlled release of proteins. <i>Journal of Controlled Release</i> , 2006, 116, 295-303.	9.9	51
9	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.	3.3	48
10	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.	14.6	47
11	DNA condensation by high-affinity interaction with avidin. <i>Journal of Molecular Recognition</i> , 2004, 17, 558-566.	2.1	44
12	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.	2.1	38
13	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.	3.7	38
14	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.	4.0	38
15	<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.	4.0	38
16	<i>In Vivo</i> Fate of Avidin-Nucleic Acid Nanoassemblies as Multifunctional Diagnostic Tools. <i>ACS Nano</i> , 2014, 8, 175-187.	14.6	36
17	Conjugates of Peptides and Proteins to Polyethylene Glycols. , 2004, 283, 045-070.		33
18	PROTECTIVE EFFECT OF SUPEROXIDE DISMUTASE AND POLYETHYLENE GLYCOL-LINKED SUPEROXIDE DISMUTASE AGAINST RENAL WARM ISCHEMIA/REPERFUSION INJURY. <i>Transplantation</i> , 1996, 62, 1221-1223.	1.0	30

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19	Gold-silver alloy semi-nanoshell arrays for label-free plasmonic biosensors. <i>Nanoscale</i> , 2017, 9, 10117-10125.	5.6	28
20	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.	2.4	26
21	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.	8.3	26
22	Selective Alkylation and Acylation of ϵ - and μ -Amino Groups with PEG in a Somatostatin Analogue: Tailored Chemistry for Optimized Bioconjugates. <i>Bioconjugate Chemistry</i> , 2002, 13, 1238-1243.	3.6	23
23	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.	7.8	23
24	Sinusoidal plasmonic crystals for bio-detection sensors. <i>Microelectronic Engineering</i> , 2011, 88, 1898-1901.	2.4	20
25	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.	6.5	19
26	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.	2.7	18
27	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.	4.6	15
28	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.	3.6	15
29	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
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37	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.	6.1	10
38	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.	13.7	9
39	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.	7.8	9
40	C2362F mutation gives rise to an ADAMTS13-resistant von Willebrand factor. <i>Thrombosis and Haemostasis</i> , 2013, 109, 999-1006.	3.4	7
41	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.	7.3	7
42	Influence of processing conditions in the manufacture of O/W creams. <i>Il Farmaco</i> , 2002, 57, 341-347.	0.9	6
43	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.	2.5	5
44	Higher and lower active circulating VWF levels: different facets of von Willebrand disease. <i>British Journal of Haematology</i> , 2015, 171, 845-853.	2.5	5
45	Plasmonic platforms for innovative surface plasmon resonance configuration with sensing applications. <i>Microelectronic Engineering</i> , 2013, 111, 348-353.	2.4	4
46	Integrated architecture for the electrical detection of plasmonic resonances based on high electron mobility photo-transistors. <i>Nanoscale</i> , 2014, 6, 1390-1397.	5.6	4
47	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.	3.3	4
48	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.	3.3	3
49	Influence of processing conditions in the manufacture of O/W creams. <i>Il Farmaco</i> , 2002, 57, 349-353.	0.9	2
50	Plasmonic Platforms for Biodetection Devices. , 2011, , .		2
51	Novel compact architecture for high-resolution sensing with plasmonic gratings in conical mounting. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0