

# Giancarlo Morelli

## List of Publications by Year in descending order

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106  
papers

4,046  
citations

159585

30  
h-index

133252

59  
g-index

109  
all docs

109  
docs citations

109  
times ranked

5977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Nanoparticles as Potential Antibacterial Agents. <i>Molecules</i> , 2015, 20, 8856-8874.	3.8	1,212
2	Supramolecular aggregates containing lipophilic Gd(III) complexes as contrast agents in MRI. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2193-2213.	18.8	124
3	Marine Antimicrobial Peptides: Nature Provides Templates for the Design of Novel Compounds against Pathogenic Bacteria. <i>International Journal of Molecular Sciences</i> , 2016, 17, 785.	4.1	119
4	Physicochemical Properties of Mixed Micellar Aggregates Containing CCK Peptides and Gd Complexes Designed as Tumor Specific Contrast Agents in MRI. <i>Journal of the American Chemical Society</i> , 2004, 126, 3097-3107.	13.7	94
5	Peptide-Lipid Interactions: Experiments and Applications. <i>International Journal of Molecular Sciences</i> , 2013, 14, 18758-18789.	4.1	86
6	Peptide-based targeting strategies for simultaneous imaging and therapy with nanovectors. <i>Polymer Journal</i> , 2013, 45, 481-493.	2.7	84
7	Cyclic Peptides as Novel Therapeutic Microbicides: Engineering of Human Defensin Mimetics. <i>Molecules</i> , 2017, 22, 1217.	3.8	78
8	Fmoc-diphenylalanine as a suitable building block for the preparation of hybrid materials and their potential applications. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5142-5155.	5.8	73
9	Fmoc-FF and hexapeptide-based multicomponent hydrogels as scaffold materials. <i>Soft Matter</i> , 2019, 15, 487-496.	2.7	70
10	In vitro and in vivo evaluation of <sup>111</sup> In-DTPAGlu-G-CCK8 for cholecystokinin-B receptor imaging. <i>Journal of Nuclear Medicine</i> , 2004, 45, 485-94.	5.0	70
11	Clickable Functionalization of Liposomes with the gH625 Peptide from <i>Herpes simplex</i> Virus Type-1 for Intracellular Drug Delivery. <i>Chemistry - A European Journal</i> , 2011, 17, 12659-12668.	3.3	57
12	Peptide inhibitors against herpes simplex virus infections. <i>Journal of Peptide Science</i> , 2013, 19, 148-158.	1.4	57
13	Structural Insights into and Activity Analysis of the Antimicrobial Peptide Myxinidin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5280-5290.	3.2	54
14	Receptor binding peptides for target-selective delivery of nanoparticles encapsulated drugs. <i>International Journal of Nanomedicine</i> , 2014, 9, 1537.	6.7	53
15	gH625: A milestone in understanding the many roles of membranotropic peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 16-25.	2.6	51
16	Review peptide-targeted liposomes for selective drug delivery: Advantages and problematic issues. <i>Biopolymers</i> , 2015, 104, 462-479.	2.4	48
17	Nanostructures by self-assembling peptide amphiphile as potential selective drug carriers. <i>Biopolymers</i> , 2007, 88, 115-121.	2.4	46
18	Structural and Relaxometric Characterization of Peptide Aggregates Containing Gadolinium Complexes as Potential Selective Contrast Agents in MRI. <i>ChemPhysChem</i> , 2007, 8, 2526-2538.	2.1	44

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19	Supramolecular Aggregates of Amphiphilic Gadolinium Complexes as Blood Pool MRI/MRA Contrast Agents: Physicochemical Characterization. <i>Langmuir</i> , 2006, 22, 6635-6643.	3.5	42
20	Target-Selective Drug Delivery through Liposomes Labeled with Oligobranched Neurotensin Peptides. <i>ChemMedChem</i> , 2011, 6, 678-685.	3.2	41
21	Destabilisation, aggregation, toxicity and cytosolic mislocalisation of nucleophosmin regions associated with acute myeloid leukemia. <i>Oncotarget</i> , 2016, 7, 59129-59143.	1.8	41
22	Peptide Materials Obtained by Aggregation of Polyphenylalanine Conjugates as Gadolinium-Based Magnetic Resonance Imaging Contrast Agents. <i>Advanced Functional Materials</i> , 2015, 25, 7003-7016.	14.9	40
23	Peptide-Based Hydrogels and Nanogels for Delivery of Doxorubicin. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1617-1630.	6.7	40
24	High-relaxivity supramolecular aggregates containing peptides and Gd complexes as contrast agents in MRI. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 267-276.	2.6	39
25	Micelles derivatized with octreotide as potential target-selective contrast agents in MRI. <i>Journal of Peptide Science</i> , 2009, 15, 242-250.	1.4	39
26	Hierarchical Analysis of Self-Assembled PEGylated Hexaphenylalanine Photoluminescent Nanostructures. <i>Chemistry - A European Journal</i> , 2016, 22, 16586-16597.	3.3	38
27	Peptide-modified liposomes for selective targeting of bombesin receptors overexpressed by cancer cells: a potential theranostic agent. <i>International Journal of Nanomedicine</i> , 2012, 7, 2007.	6.7	37
28	Peptide modified nanocarriers for selective targeting of bombesin receptors. <i>Molecular BioSystems</i> , 2010, 6, 878.	2.9	35
29	Structural Characterization of PEGylated Hexaphenylalanine Nanostructures Exhibiting Green Photoluminescence Emission. <i>Chemistry - A European Journal</i> , 2017, 23, 14039-14048.	3.3	34
30	Self-assembly of PEGylated tetra-phenylalanine derivatives: structural insights from solution and solid state studies. <i>Scientific Reports</i> , 2016, 6, 26638.	3.3	32
31	Bombesin peptide antagonist for target-selective delivery of liposomal doxorubicin on cancer cells. <i>Journal of Drug Targeting</i> , 2013, 21, 240-249.	4.4	31
32	Platinum(II) O,S Complexes Inhibit the Aggregation of Amyloid Model Systems. <i>International Journal of Molecular Sciences</i> , 2019, 20, 829.	4.1	31
33	Amyloid-Like Aggregation in Diseases and Biomaterials: Osmosis of Structural Information. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 641372.	4.1	30
34	Peptide-Based Soft Hydrogels Modified with Gadolinium Complexes as MRI Contrast Agents. <i>Pharmaceuticals</i> , 2020, 13, 19.	3.8	29
35	Peptide-Containing Aggregates as Selective Nanocarriers for Therapeutics. <i>ChemMedChem</i> , 2008, 3, 594-602.	3.2	28
36	Target selective micelles for bombesin receptors incorporating Au(III)-dithiocarbamate complexes. <i>International Journal of Pharmaceutics</i> , 2014, 473, 194-202.	5.2	28

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37	Amyloid-Like Fibrillary Morphology Originated by Tyrosine-Containing Aromatic Hexapeptides. <i>Chemistry - A European Journal</i> , 2018, 24, 6804-6817.	3.3	28
38	Exploitation of viral properties for intracellular delivery. <i>Journal of Peptide Science</i> , 2014, 20, 468-478.	1.4	27
39	Nanoparticles containing octreotide peptides and gadolinium complexes for MRI applications. <i>Journal of Peptide Science</i> , 2011, 17, 154-162.	1.4	25
40	Incorporation of Naked Peptide Nucleic Acids into Liposomes Leads to Fast and Efficient Delivery. <i>Bioconjugate Chemistry</i> , 2015, 26, 1533-1541.	3.6	25
41	Liposomes derivatized with multimeric copies of KCCYSL peptide as targeting agents for HER-2-overexpressing tumor cells. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 501-514.	6.7	24
42	Peptide Derivatized Lamellar Aggregates as Target-Specific MRI Contrast Agents. <i>ChemBioChem</i> , 2007, 8, 950-955.	2.6	23
43	Cross-beta nanostructures based on dinaphthylalanine Gd-conjugates loaded with doxorubicin. <i>Scientific Reports</i> , 2017, 7, 307.	3.3	23
44	Pre-clinical evaluation of eight DOTA coupled gastrin-releasing peptide receptor (GRP-R) ligands for in vivo targeting of receptor-expressing tumors. <i>EJNMMI Research</i> , 2016, 6, 17.	2.5	22
45	Structural Characterization of Self-Assembled Tetra-Tryptophan Based Nanostructures: Variations on a Common Theme. <i>ChemPhysChem</i> , 2018, 19, 1635-1642.	2.1	22
46	Self-Assembly of PEGylated Diphenylalanines into Photoluminescent Fibrillary Aggregates. <i>ChemPhysChem</i> , 2019, 20, 2774-2782.	2.1	22
47	Peptide-based hydrogels as delivery systems for doxorubicin. <i>Journal of Peptide Science</i> , 2022, 28, e3301.	1.4	22
48	Self-Assembling of Fmoc-GC Peptide Nucleic Acid Dimers into Highly Fluorescent Aggregates. <i>Chemistry - A European Journal</i> , 2018, 24, 4729-4735.	3.3	21
49	Role of the Metal Center in the Modulation of the Aggregation Process of Amyloid Model Systems by Square Planar Complexes Bearing 2-(2'-pyridyl)benzimidazole Ligands. <i>Pharmaceutics</i> , 2019, 12, 154.	3.8	21
50	Amyloid fibers deriving from the aromatic core of C-terminal domain of nucleophosmin 1. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 517-525.	7.5	21
51	Nanoparticles exposing neurotensin tumor-specific drivers. <i>Journal of Peptide Science</i> , 2013, 19, 198-204.	1.4	20
52	Insights into amyloid-like aggregation of H2 region of the C-terminal domain of nucleophosmin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 176-185.	2.3	20
53	Proteostasis unbalance of nucleophosmin 1 in Acute Myeloid Leukemia: An aggregomic perspective. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3501-3507.	7.5	20
54	Bi-functional peptide-based 3D hydrogel-scaffolds. <i>Soft Matter</i> , 2020, 16, 7006-7017.	2.7	20

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55	Liposomal doxorubicin doubly functionalized with CCK8 and R8 peptide sequences for selective intracellular drug delivery. <i>Journal of Peptide Science</i> , 2015, 21, 415-425.	1.4	19
56	Stable Formulations of Peptide-Based Nanogels. <i>Molecules</i> , 2020, 25, 3455.	3.8	19
57	Long-Range Fluorescence Propagation in Amyloidogenic $\beta$ -Sheet Films and Fibers. <i>Advanced Optical Materials</i> , 2020, 8, 2000056.	7.3	19
58	Criteria for the Design and Biological Characterization of Radiolabeled Peptide-Based Pharmaceuticals. <i>BioDrugs</i> , 2004, 18, 279-295.	4.6	18
59	Assembly modes of hexaphenylalanine variants as function of the charge states of their terminal ends. <i>Soft Matter</i> , 2018, 14, 8219-8230.	2.7	18
60	Easy formulation of liposomal doxorubicin modified with a bombesin peptide analogue for selective targeting of GRP receptors overexpressed by cancer cells. <i>Drug Delivery and Translational Research</i> , 2019, 9, 215-226.	5.8	18
61	Peptides and Gd Complexes Containing Colloidal Assemblies as Tumor-Specific Contrast Agents in MRI: Physicochemical Characterization. <i>Biophysical Journal</i> , 2007, 93, 1736-1746.	0.5	17
62	Amphiphilic CCK peptides assembled in supramolecular aggregates: structural investigations and in vitro studies. <i>Molecular BioSystems</i> , 2011, 7, 862-870.	2.9	17
63	Dimerization in tailoring uptake efficacy of the HSV-1 derived membranotropic peptide gH625. <i>Scientific Reports</i> , 2017, 7, 9434.	3.3	17
64	Gadolinium containing telechelic PEG polymers end-capped by di-phenylalanine motives as potential supramolecular MRI contrast agents. <i>Journal of Peptide Science</i> , 2017, 23, 122-130.	1.4	17
65	The [Tc(N)(PNP)] <sup>2+</sup> metal fragment labeled cholecystokinin-8 (CCK8) peptide for CCK-2 receptors imaging: in vitro and in vivo studies. <i>Journal of Peptide Science</i> , 2007, 13, 211-219.	1.4	16
66	CCK8 peptide-labeled Pluronic® F127 micelles as a targeted vehicle of gold-based anticancer chemotherapeutics. <i>MedChemComm</i> , 2015, 6, 155-163.	3.4	16
67	Photoluminescent Peptide-Based Nanostructures as FRET Donor for Fluorophore Dye. <i>Chemistry - A European Journal</i> , 2017, 23, 8741-8748.	3.3	16
68	New synthetic strategy for o-NBS protected amino acids and their use in synthesis of mono-benzylated peptides. <i>Tetrahedron Letters</i> , 2005, 46, 6637-6640.	1.4	15
69	Effects of surface nanopatterning on internalization and amyloid aggregation of the fragment 264-277 of Nucleophosmin 1. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111439.	5.0	15
70	The Introduction of a Cysteine Residue Modulates The Mechanical Properties of Aromatic-Based Solid Aggregates and Self-Supporting Hydrogels. <i>Chemistry - A European Journal</i> , 2021, 27, 14886-14898.	3.3	15
71	A Cyclic CCK8 Analogue Selective for the Cholecystokinin Type A Receptor: Design, Synthesis, NMR Structure and Binding Measurements. <i>ChemBioChem</i> , 2003, 4, 1176-1187.	2.6	14
72	Gastrin and cholecystokinin peptide-based radiopharmaceuticals: an in vivo and in vitro comparison. <i>Journal of Peptide Science</i> , 2011, 17, 405-412.	1.4	14

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73	Peptide-labeled supramolecular aggregates as selective doxorubicin carriers for delivery to tumor cells. <i>Biopolymers</i> , 2011, 96, 88-96.	2.4	14
74	Self-Supporting Hydrogels Based on Fmoc-Derivatized Cationic Hexapeptides for Potential Biomedical Applications. <i>Biomedicines</i> , 2021, 9, 678.	3.2	14
75	Self-assembled or mixed peptide amphiphile micelles from Herpes simplex virus glycoproteins as potential immunomodulatory treatment. <i>International Journal of Nanomedicine</i> , 2014, 9, 2137.	6.7	13
76	Interactions of cisplatin analogues with lysozyme: a comparative analysis. <i>BioMetals</i> , 2017, 30, 733-746.	4.1	13
77	Enhanced uptake of gH625 by blood brain barrier compared to liver in vivo: characterization of the mechanism by an in vitro model and implications for delivery. <i>Scientific Reports</i> , 2018, 8, 13836.	3.3	13
78	Synthesis and solution characterization of a porphyrin-CCK8 conjugate. <i>Journal of Peptide Science</i> , 2001, 7, 386-394.	1.4	12
79	CCK8 peptide derivatized with diphenylphosphine for rhenium labelling: synthesis and molecular mechanics calculations. <i>Journal of Peptide Science</i> , 2002, 8, 373-381.	1.4	12
80	Mixed Micelles Composed of Peptides and Gadolinium Complexes as Tumor-Specific Contrast Agents in MRI: A SANS Study. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17611-17617.	2.6	12
81	Micelles by self-assembling peptide-conjugate amphiphile: synthesis and structural characterization. <i>Journal of Peptide Science</i> , 2008, 14, 903-910.	1.4	12
82	Naposomes: a new class of peptide-derivatized, target-selective multimodal nanoparticles for imaging and therapeutic applications. <i>Therapeutic Delivery</i> , 2011, 2, 235-257.	2.2	11
83	Liposomes derivatized with tetrabrached neurotensin peptides via click chemistry reactions. <i>New Journal of Chemistry</i> , 2013, 37, 3528.	2.8	11
84	Octreotide labeled aggregates containing platinum complexes as nanovectors for drug delivery. <i>Journal of Peptide Science</i> , 2013, 19, 190-197.	1.4	11
85	Engineered $\beta$ -hairpin scaffolds from human prion protein regions: Structural and functional investigations of aggregates. <i>Bioorganic Chemistry</i> , 2020, 96, 103594.	4.1	10
86	Fabrication of fluorescent nanospheres by heating PEGylated tetra-tyrosine nanofibers. <i>Scientific Reports</i> , 2021, 11, 2470.	3.3	10
87	Fold-sensitive Visible Fluorescence in $\beta$ -sheet Peptide Structures. <i>Advanced Optical Materials</i> , 2021, 9, 2002247.	7.3	10
88	Nanostructures based on monoolein or diolein and amphiphilic gadolinium complexes as MRI contrast agents. <i>Journal of Materials Chemistry B</i> , 2013, 1, 617-628.	5.8	9
89	Antioxidant Effects of PS5, a Peptidomimetic of Suppressor of Cytokine Signaling 1, in Experimental Atherosclerosis. <i>Antioxidants</i> , 2020, 9, 754.	5.1	9
90	Solid-state optical properties of self-assembling amyloid-like peptides with different charged states at the terminal ends. <i>Scientific Reports</i> , 2022, 12, 759.	3.3	9

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91	Multicomponent Hydrogel Matrices of Fmoc-FF and Cationic Peptides for Application in Tissue Engineering. <i>Macromolecular Bioscience</i> , 2022, 22, e2200128.	4.1	9
92	Structure-activity studies of peptidomimetics based on kinase-inhibitory region of suppressors of cytokine signaling 1. <i>Peptide Science</i> , 2018, 110, e23082.	1.8	8
93	Supramolecular Delivery Systems for Non-Platinum Metal-Based Anticancer Drugs. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2017, 34, 149-183.	2.2	8
94	The influence of liposomal formulation on the incorporation and retention of PNA oligomers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 462-469.	5.0	7
95	Synthesis and biological evaluation of cyclic and branched peptide analogues as ligands for cholecystokinin type 1 receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5845-5853.	3.0	6
96	Micelles obtained by aggregation of gemini surfactants containing the CCK8 peptide and a gadolinium complex. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 587-599.	2.6	6
97	Liposome antibody-ionophore conjugate antiproliferative activity increases by cellular metallostasis alteration. <i>MedChemComm</i> , 2016, 7, 2364-2367.	3.4	6
98	Amplified spontaneous emission and gain in highly concentrated Rhodamine-doped peptide derivative. <i>Scientific Reports</i> , 2021, 11, 17609.	3.3	6
99	Fluorescence Emission of Self-assembling Amyloid-like Peptides: Solution versus Solid State. <i>ChemPhysChem</i> , 2021, 22, 2215-2221.	2.1	6
100	Influence of PEG length on conformational and binding properties of CCK peptides exposed by supramolecular aggregates. <i>Biopolymers</i> , 2014, 102, 304-312.	2.4	5
101	Effect of cisplatin containing liposomes formulated by unsaturated chain-containing lipids on gynecological tumor cells. <i>Journal of Liposome Research</i> , 2016, 26, 307-312.	3.3	4
102	Preparation and In Vitro Evaluation of RITUXfab-Decorated Lipoplexes to Improve Delivery of siRNA Targeting C1858T PTPN22 Variant in B Lymphocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 408.	4.1	3
103	Polymerized mixed aggregates containing gadolinium complex and CCK8 peptide. <i>Colloid and Polymer Science</i> , 2008, 286, 1643-1652.	2.1	2
104	Colloidal particles composed of amphiphilic molecules binding gadolinium complexes and peptides as tumor-specific contrast agents in MRI: physico-chemical characterization. <i>Soft Matter</i> , 2009, , .	2.7	2
105	13th Naples Workshop on Bioactive Peptides Conformation and activity of peptides: relationships and interactions. <i>Journal of Peptide Science</i> , 2013, 19, 181-181.	1.4	0
106	The renaissance era of peptides in drug discovery at the 14th Naples workshop on bioactive peptides. <i>Journal of Peptide Science</i> , 2015, 21, 321-322.	1.4	0