

# Miriam Colombo

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8822167/miriam-colombo-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89  
papers

3,375  
citations

33  
h-index

56  
g-index

93  
ext. papers

3,860  
ext. citations

8.1  
avg. IF

5.29  
L-index

#	Paper	IF	Citations
89	Development of an Effective Tumor-Targeted Contrast Agent for Magnetic Resonance Imaging Based on Mn/H-Ferritin Nanocomplexes. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 7800-7810	4.1	1
88	Inositol 1,4,5-trisphosphate 3-kinase B promotes Ca mobilization and the inflammatory activity of dendritic cells. <i>Science Signaling</i> , <b>2021</b> , 14,	8.8	7
87	The Role of Polymeric Coatings for a Safe-by-Design Development of Biomedical Gold Nanoparticles Assessed in Zebrafish Embryo. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
86	Impact of Tuning the Surface Charge Distribution on Colloidal Iron Oxide Nanoparticle Toxicity Investigated in. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
85	The emerging role of nanotechnology in skincare. <i>Advances in Colloid and Interface Science</i> , <b>2021</b> , 293, 102437	14.3	29
84	Full-Length Recombinant hSP-D Binds and Inhibits SARS-CoV-2. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
83	H-Ferritin nanoparticle-mediated delivery of antibodies across a BBB in vitro model for treatment of brain malignancies. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2032-2042	7.4	6
82	Tc-Radiolabeled Silica Nanocarriers for Targeted Detection and Treatment of HER2-Positive Breast Cancer. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 1943-1960	7.3	5
81	Nanoparticle-Mediated Suicide Gene Therapy for Triple Negative Breast Cancer Treatment. <i>Advanced Therapeutics</i> , <b>2020</b> , 3, 2000007	4.9	2
80	Colloidal polymer-coated Zn-doped iron oxide nanoparticles with high relaxivity and specific absorption rate for efficient magnetic resonance imaging and magnetic hyperthermia. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 579, 186-194	9.3	11
79	MnO Nanoparticles Embedded in Functional Polymers as T1 Contrast Agents for Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3787-3797	5.6	12
78	Relaxometric Studies of Gd-Chelate Conjugated on the Surface of Differently Shaped Gold Nanoparticles. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	3
77	Targeted delivery of nanoparticles. <i>Frontiers of Nanoscience</i> , <b>2020</b> , 16, 253-264	0.7	2
76	Modeling the interaction of amphiphilic polymer nanoparticles with biomembranes to Guide rational design of drug delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 196, 111366	6	1
75	Anti-MAdCAM-1-Conjugated Nanocarriers Delivering Quantum Dots Enable Specific Imaging of Inflammatory Bowel Disease. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 8537-8552	7.3	4
74	Loading Imatinib inside targeted nanoparticles to prevent Bronchiolitis Obliterans Syndrome. <i>Scientific Reports</i> , <b>2020</b> , 10, 20726	4.9	1
73	Engineered Ferritin Nanoparticles for the Bioluminescence Tracking of Nanodrug Delivery in Cancer. <i>Small</i> , <b>2020</b> , 16, e2001450	11	17

72	Functionalization of colloidal nanoparticles with a discrete number of ligands based on a "HALO-bioclick" reaction. <i>Chemical Communications</i> , <b>2020</b> , 56, 11398-11401	5.8	3
71	Are nanotechnological approaches the future of treating inflammatory diseases?. <i>Nanomedicine</i> , <b>2019</b> , 14, 2379-2390	5.6	6
70	Does conjugation strategy matter? Cetuximab-conjugated gold nanocages for targeting triple-negative breast cancer cells. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 3626-3638	5.1	6
69	Suicide Gene Therapy: A New Frontier for Cancer Fighting. <i>Current Pharmaceutical Biotechnology</i> , <b>2019</b> , 20, 2-4	2.6	2
68	Multifunctional Magnetic Gold Nanomaterials for Cancer. <i>Trends in Biotechnology</i> , <b>2019</b> , 37, 995-1010	15.1	44
67	Imatinib-loaded gold nanoparticles inhibit proliferation of fibroblasts and macrophages from systemic sclerosis patients and ameliorate experimental bleomycin-induced lung fibrosis. <i>Journal of Controlled Release</i> , <b>2019</b> , 310, 198-208	11.7	15
66	Pemetrexed-loaded nanoparticles targeted to malignant pleural mesothelioma cells: an in vitro study. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 773-785	7.3	8
65	Thirty Years of Cancer Nanomedicine: Success, Frustration, and Hope. <i>Cancers</i> , <b>2019</b> , 11,	6.6	94
64	Monitoring the Fate of Orally Administered PLGA Nanoformulation for Local Delivery of Therapeutic Drugs. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	4
63	Recent advances in magnetic fluid hyperthermia for cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 174, 42-55	6	152
62	Impact of the strategy adopted for drug loading in nonporous silica nanoparticles on the drug release and cytotoxic activity. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 519, 18-26	9.3	16
61	Conformational properties of intrinsically disordered proteins bound to the surface of silica nanoparticles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 1556-1564	4	24
60	Red and deep-red emissive polymeric nanoparticles based on polybenzofulvene and perylenediimide derivatives. <i>Dyes and Pigments</i> , <b>2018</b> , 149, 331-335	4.6	13
59	Investigation of antitumor activities of trastuzumab delivered by PLGA nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 957-973	7.3	37
58	Multivalent exposure of trastuzumab on iron oxide nanoparticles improves antitumor potential and reduces resistance in HER2-positive breast cancer cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 6563	4.9	40
57	Half-Chain Cetuximab Nanoconjugates Allow Multitarget Therapy of Triple Negative Breast Cancer. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 3817-3832	6.3	9
56	Bioengineered Approaches for Site Orientation of Peptide-Based Ligands of Nanomaterials <b>2018</b> , 139-169		4
55	Impact of semi-solid formulations on skin penetration of iron oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 14	9.4	17

54	Bioengineered gold nanoparticles targeted to mesenchymal cells from patients with bronchiolitis obliterans syndrome does not rise the inflammatory response and can be safely inhaled by rodents. <i>Nanotoxicology</i> , <b>2017</b> , 11, 534-545	5.3	10
53	Nano-targeting of mucosal addressin cell adhesion molecule-1 identifies bowel inflammation foci in murine model. <i>Nanomedicine</i> , <b>2017</b> , 12, 1547-1560	5.6	7
52	Innovative approach to safely induce controlled lipolysis by superparamagnetic iron oxide nanoparticles-mediated hyperthermic treatment. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2017</b> , 93, 62-73	5.6	13
51	Development of Tc-radiolabeled nanosilica for targeted detection of HER2-positive breast cancer. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 3447-3461	7.3	25
50	H-Ferritin Enriches the Curcumin Uptake and Improves the Therapeutic Efficacy in Triple Negative Breast Cancer Cells. <i>Biomacromolecules</i> , <b>2017</b> , 18, 3318-3330	6.9	46
49	Drug nanocarriers to treat autoimmunity and chronic inflammatory diseases. <i>Seminars in Immunology</i> , <b>2017</b> , 34, 61-67	10.7	48
48	Negatively charged silver nanoparticles with potent antibacterial activity and reduced toxicity for pharmaceutical preparations. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2517-2530	7.3	70
47	Nanoparticle-mediated delivery of suicide genes in cancer therapy. <i>Pharmacological Research</i> , <b>2016</b> , 111, 619-641	10.2	31
46	Theranostic Nanocages for Imaging and Photothermal Therapy of Prostate Cancer Cells by Active Targeting of Neuropeptide-Y Receptor. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 2911-2922	6.3	19
45	Tumour homing and therapeutic effect of colloidal nanoparticles depend on the number of attached antibodies. <i>Nature Communications</i> , <b>2016</b> , 7, 13818	17.4	93
44	Oral delivery of insulin via polyethylene imine-based nanoparticles for colonic release allows glycemic control in diabetic rats. <i>Pharmacological Research</i> , <b>2016</b> , 110, 122-130	10.2	24
43	Evaluation of gold nanoparticles biocompatibility: a multiparametric study on cultured endothelial cells and macrophages. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	33
42	Peptide-nanoparticle ligation mediated by cutinase fusion for the development of cancer cell-targeted nanoconjugates. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 680-9	6.3	13
41	Aggregation-Induced Förster Resonance Energy Transfer in Polybenzofulvene/Dye Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 18986-18991	3.8	17
40	Iron oxide nanoparticles surface coating and cell uptake affect biocompatibility and inflammatory responses of endothelial cells and macrophages. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	18
39	Antibody-engineered nanoparticles selectively inhibit mesenchymal cells isolated from patients with chronic lung allograft dysfunction. <i>Nanomedicine</i> , <b>2015</b> , 10, 9-23	5.6	42
38	Cream formulation impact on topical administration of engineered colloidal nanoparticles. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126366	3.7	17
37	Nanoformulation of antiretroviral drugs enhances their penetration across the blood brain barrier in mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2015</b> , 11, 1387-97	6	47

36	Biotechnological approaches toward nanoparticle biofunctionalization. <i>Trends in Biotechnology</i> , <b>2014</b> , 32, 11-20	15.1	94
35	One-pot phase transfer and surface modification of CdSe-ZnS quantum dots using a synthetic functional copolymer. <i>Chemical Communications</i> , <b>2014</b> , 50, 240-2	5.8	13
34	One-step synthesis of star-like gold nanoparticles for surface enhanced Raman spectroscopy. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 143, 1215-1221	4.4	21
33	Protein nanocages for self-triggered nuclear delivery of DNA-targeted chemotherapeutics in Cancer Cells. <i>Journal of Controlled Release</i> , <b>2014</b> , 196, 184-96	11.7	73
32	Gold nanoparticles decorated by clustered multivalent cone-glycocalixarenes actively improve the targeting efficiency toward cancer cells. <i>Chemical Communications</i> , <b>2014</b> , 50, 11029-32	5.8	40
31	Delivering colloidal nanoparticles to mammalian cells: a nano-bio interface perspective. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 957-76	10.1	33
30	Antiproliferative effect of ASC-J9 delivered by PLGA nanoparticles against estrogen-dependent breast cancer cells. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 2864-75	5.6	26
29	Immobilization of carboxypeptidase from <i>Sulfolobus solfataricus</i> on magnetic nanoparticles improves enzyme stability and functionality in organic media. <i>BMC Biotechnology</i> , <b>2014</b> , 14, 82	3.5	11
28	Orientation-controlled conjugation of haloalkane dehalogenase fused homing peptides to multifunctional nanoparticles for the specific recognition of cancer cells. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3121-5	16.4	35
27	Dependence of nanoparticle-cell recognition efficiency on the surface orientation of scFv targeting ligands. <i>Biomaterials Science</i> , <b>2013</b> , 1, 728-735	7.4	15
26	The modality of cell-particle interactions drives the toxicity of nanosized CuO and TiO <sub>2</sub> in human alveolar epithelial cells. <i>Toxicology Letters</i> , <b>2013</b> , 222, 102-16	4.4	69
25	Intracellular drug release from curcumin-loaded PLGA nanoparticles induces G2/M block in breast cancer cells. <i>Biomacromolecules</i> , <b>2013</b> , 14, 672-82	6.9	111
24	Assessing the in vivo targeting efficiency of multifunctional nanoconstructs bearing antibody-derived ligands. <i>ACS Nano</i> , <b>2013</b> , 7, 6092-102	16.7	63
23	Orientation-Controlled Conjugation of Haloalkane Dehalogenase Fused Homing Peptides to Multifunctional Nanoparticles for the Specific Recognition of Cancer Cells. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3203-3207	3.6	1
22	Site-Specific Conjugation of ScFvs Antibodies to Nanoparticles by Bioorthogonal Strain-Promoted Alkyne-Nitrone Cycloaddition. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 511-514	3.6	13
21	Site-specific conjugation of ScFvs antibodies to nanoparticles by bioorthogonal strain-promoted alkyne-nitrone cycloaddition. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 496-9	16.4	63
20	Structural iridescent tuned colors from self-assembled polymer opal surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6071-9	9.5	33
19	Protein oriented ligation on nanoparticles exploiting O <sup>6</sup> -alkylguanine-DNA transferase (SNAP) genetically encoded fusion. <i>Small</i> , <b>2012</b> , 8, 1492-7	11	46

18	Biological applications of magnetic nanoparticles. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4306-34	58.5	939
17	Protein-Assisted One-Pot Synthesis and Biofunctionalization of Spherical Gold Nanoparticles for Selective Targeting of Cancer Cells. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9406-9409	3.6	6
16	Protein-assisted one-pot synthesis and biofunctionalization of spherical gold nanoparticles for selective targeting of cancer cells. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9272-5	16.4	47
15	Investigating the structural biofunctionality of antibodies conjugated to magnetic nanoparticles. <i>Nanoscale</i> , <b>2011</b> , 3, 387-90	7.7	36
14	Multiple presentation of Scfv800E6 on silica nanospheres enhances targeting efficiency toward HER-2 receptor in breast cancer cells. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 2296-303	6.3	11
13	Uniform Lipopolysaccharide (LPS)-Loaded Magnetic Nanoparticles for the Investigation of LPS-TLR4 Signaling. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 648-652	3.6	4
12	Uniform lipopolysaccharide (LPS)-loaded magnetic nanoparticles for the investigation of LPS-TLR4 signaling. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 622-6	16.4	36
11	Novel biotinylated bile acid amphiphiles: micellar aggregates formation and interaction with hepatocytes. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 2899-905	3.9	
10	HER2 expression in breast cancer cells is downregulated upon active targeting by antibody-engineered multifunctional nanoparticles in mice. <i>ACS Nano</i> , <b>2011</b> , 5, 6383-93	16.7	58
9	Strategies for the Characterization of the Saccharidic Moiety in Composite Nanoparticles. <i>ACS Symposium Series</i> , <b>2011</b> , 69-89	0.4	1
8	HER2 targeting as a two-sided strategy for breast cancer diagnosis and treatment: Outlook and recent implications in nanomedical approaches. <i>Pharmacological Research</i> , <b>2010</b> , 62, 150-65	10.2	60
7	Single-domain protein A-engineered magnetic nanoparticles: toward a universal strategy to site-specific labeling of antibodies for targeted detection of tumor cells. <i>ACS Nano</i> , <b>2010</b> , 4, 5693-702	16.7	74
6	Magnetofluorescent nanoparticles for bimodal detection of breast cancer cells <b>2010</b> ,		7
5	Towards a Universal Method for the Stable and Clean Functionalization of Inert Perfluoropolymer Nanoparticles: Exploiting Photopolymerizable Amphiphilic Diacetylenes. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3932-3940	15.6	6
4	Towards ideal magnetofluorescent nanoparticles for bimodal detection of breast-cancer cells. <i>Small</i> , <b>2009</b> , 5, 2555-64	11	36
3	Femtomolar detection of autoantibodies by magnetic relaxation nanosensors. <i>Analytical Biochemistry</i> , <b>2009</b> , 392, 96-102	3.1	37
2	Magnetic peptide nucleic acids for DNA targeting. <i>Chemical Communications</i> , <b>2009</b> , 6017-9	5.8	18
1	Resolving the structure of ligands bound to the surface of superparamagnetic iron oxide nanoparticles by high-resolution magic-angle spinning NMR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 12712-24	16.4	59

