

# Gianfranco Pasut

## List of Publications by Citations

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

100  
papers

6,649  
citations

35  
h-index

81  
g-index

107  
ext. papers

7,213  
ext. citations

6.5  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
100	PEGylation, successful approach to drug delivery. <i>Drug Discovery Today</i> , <b>2005</b> , 10, 1451-8	8.8	1772
99	State of the art in PEGylation: the great versatility achieved after forty years of research. <i>Journal of Controlled Release</i> , <b>2012</b> , 161, 461-72	11.7	540
98	Polymer-drug conjugation, recent achievements and general strategies. <i>Progress in Polymer Science</i> , <b>2007</b> , 32, 933-961	29.6	518
97	PEG conjugates in clinical development or use as anticancer agents: an overview. <i>Advanced Drug Delivery Reviews</i> , <b>2009</b> , 61, 1177-88	18.5	380
96	Polyoxazoline: chemistry, properties, and applications in drug delivery. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 976-86	6.3	309
95	PEG-doxorubicin conjugates: influence of polymer structure on drug release, in vitro cytotoxicity, biodistribution, and antitumor activity. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 775-84	6.3	249
94	Synthesis and characterization of poly(2-ethyl 2-oxazoline)-conjugates with proteins and drugs: suitable alternatives to PEG-conjugates?. <i>Journal of Controlled Release</i> , <b>2008</b> , 125, 87-95	11.7	187
93	Antitumoral activity of PEG-gemcitabine prodrugs targeted by folic acid. <i>Journal of Controlled Release</i> , <b>2008</b> , 127, 239-48	11.7	138
92	Anti-cancer PEG-enzymes: 30 years old, but still a current approach. <i>Advanced Drug Delivery Reviews</i> , <b>2008</b> , 60, 69-78	18.5	115
91	Dendritic poly(ethylene glycol) bearing paclitaxel and alendronate for targeting bone neoplasms. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1063-72	5.6	101
90	Polyethylene glycol (PEG)-dendron phospholipids as innovative constructs for the preparation of super stealth liposomes for anticancer therapy. <i>Journal of Controlled Release</i> , <b>2015</b> , 199, 106-13	11.7	100
89	Protein, peptide and non-peptide drug PEGylation for therapeutic application. <i>Expert Opinion on Therapeutic Patents</i> , <b>2004</b> , 14, 859-894	6.8	99
88	Novel monodisperse PEG-dendrons as new tools for targeted drug delivery: synthesis, characterization and cellular uptake. <i>Biomacromolecules</i> , <b>2006</b> , 7, 146-53	6.9	83
87	Pegylation of biological molecules and potential benefits: pharmacological properties of certolizumab pegol. <i>BioDrugs</i> , <b>2014</b> , 28 Suppl 1, S15-23	7.9	82
86	PEG-Ara-C conjugates for controlled release. <i>European Journal of Medicinal Chemistry</i> , <b>2004</b> , 39, 123-33	6.8	79
85	Site-specific pegylation of G-CSF by reversible denaturation. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 1824-30	6.3	72
84	PEG-epirubicin Conjugates with High Drug Loading. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2005</b> , 20, 213-230	2	71

83	Selective conjugation of poly(2-ethyl 2-oxazoline) to granulocyte colony stimulating factor. <i>Journal of Controlled Release</i> , <b>2012</b> , 159, 353-61	11.7	66
82	Relevance of folic acid/polymer ratio in targeted PEG-epirubicin conjugates. <i>Journal of Controlled Release</i> , <b>2010</b> , 146, 388-99	11.7	66
81	PEGylation of Proteins as Tailored Chemistry for Optimized Bioconjugates. <i>Advances in Polymer Science</i> , <b>2005</b> , 95-134	1.3	66
80	Pegylation for improving the effectiveness of therapeutic biomolecules. <i>Drugs of Today</i> , <b>2009</b> , 45, 687	2.5	66
79	Poly(ethylene glycol)-paclitaxel-alendronate self-assembled micelles for the targeted treatment of breast cancer bone metastases. <i>Biomaterials</i> , <b>2013</b> , 34, 3795-806	15.6	65
78	A new method to increase selectivity of transglutaminase mediated PEGylation of salmon calcitonin and human growth hormone. <i>Journal of Controlled Release</i> , <b>2011</b> , 154, 27-34	11.7	65
77	Poly(ethylene glycol)-poly(ester-carbonate) block copolymers carrying PEG-peptidyl-doxorubicin pendant side chains: synthesis and evaluation as anticancer conjugates. <i>Biomacromolecules</i> , <b>2005</b> , 6, 914-28	6.9	53
76	Chemical and enzymatic site specific PEGylation of hGH. <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 456-63	6.3	52
75	Polymers for Protein Conjugation. <i>Polymers</i> , <b>2014</b> , 6, 160-178	4.5	52
74	Conjugation of hyaluronan to proteins. <i>Carbohydrate Polymers</i> , <b>2013</b> , 92, 2163-70	10.3	47
73	Nitric oxide modulates proapoptotic and antiapoptotic properties of chemotherapy agents: the case of NO-pegylated epirubicin. <i>FASEB Journal</i> , <b>2006</b> , 20, 765-7	0.9	42
72	PEGylation: Posttranslational bioengineering of protein biotherapeutics. <i>Drug Discovery Today: Technologies</i> , <b>2008</b> , 5, e57-64	7.1	41
71	Inulin-D- $\alpha$ -tocopherol succinate (INVITE) nanomicelles as a platform for effective intravenous administration of curcumin. <i>Biomacromolecules</i> , <b>2015</b> , 16, 550-7	6.9	40
70	Polymer-drug conjugates for combination anticancer therapy: investigating the mechanism of action. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 6499-502	8.3	40
69	The Pentose Phosphate Pathway and Its Involvement in Cisplatin Resistance. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	39
68	A new PEG-beta-alanine active derivative for releasable protein conjugation. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 2427-31	6.3	39
67	A hyaluronic acid-salmon calcitonin conjugate for the local treatment of osteoarthritis: chondro-protective effect in a rabbit model of early OA. <i>Journal of Controlled Release</i> , <b>2014</b> , 187, 30-8	11.7	38
66	Polyethylene glycols: An effective strategy for limiting liver ischemia reperfusion injury. <i>World Journal of Gastroenterology</i> , <b>2016</b> , 22, 6501-8	5.6	35

65	Poly(ethylene glycol)-mesalazine conjugate for colon specific delivery. <i>International Journal of Pharmaceutics</i> , <b>2009</b> , 368, 171-7	6.5	34
64	Kinetic interaction analysis of human interleukin 5 receptor alpha mutants reveals a unique binding topology and charge distribution for cytokine recognition. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 9547-56	5.4	34
63	Site-Specific Transglutaminase-Mediated Conjugation of Interferon $\beta$ at Glutamine or Lysine Residues. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 2695-2706	6.3	33
62	Protein PEGylation, basic science and biological applications <b>2009</b> , 11-31		33
61	Polysialic acid as a drug carrier: evaluation of a new polysialic acid $\beta$ pirubicin conjugate and its comparison against established drug carriers. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 1600-1609	4.9	31
60	A Biodegradable Polymeric Carrier Based on PEG for Drug Delivery. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2009</b> , 24, 220-234	2	30
59	Drug and protein delivery by polymer conjugation. <i>Journal of Drug Delivery Science and Technology</i> , <b>2016</b> , 32, 132-141	4.5	28
58	Multivalent and flexible PEG-nitrilotriacetic acid derivatives for non-covalent protein pegylation. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 2412-21	4.5	28
57	Detection of sites of infection in mice using $^{99m}\text{Tc}$ -labeled PN(2)S-PEG conjugated to UBI and $^{99m}\text{Tc}$ -UBI: a comparative biodistribution study. <i>Nuclear Medicine and Biology</i> , <b>2009</b> , 36, 57-64	2.1	28
56	Polyethylene glycol rinse solution: an effective way to prevent ischemia-reperfusion injury. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 16203-14	5.6	27
55	Polyethylene glycol and a novel developed polyethylene glycol-nitric oxide normalize arteriolar response and oxidative stress in ischemia-reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H1536-44	5.2	26
54	Synthesis, characterization and preliminary cytotoxicity assays of poly(ethylene glycol)-malonato-Pt-DACH conjugates. <i>European Journal of Medicinal Chemistry</i> , <b>2003</b> , 38, 739-49	6.8	26
53	Cisplatin liposome and 6-amino nicotinamide combination to overcome drug resistance in ovarian cancer cells. <i>Oncotarget</i> , <b>2018</b> , 9, 16847-16860	3.3	26
52	New active poly(ethylene glycol) derivative for amino coupling. <i>Reactive and Functional Polymers</i> , <b>2007</b> , 67, 529-539	4.6	25
51	Cardiac safety and antitumoral activity of a new nitric oxide derivative of pegylated epirubicin in mice. <i>Anti-Cancer Drugs</i> , <b>2007</b> , 18, 1081-91	2.4	24
50	Chemical and Enzymatic Site Specific PEGylation of hGH: The Stability and in vivo Activity of PEG-N-Terminal-hGH and PEG-Gln141-hGH Conjugates. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 50-6	5.5	24
49	Site-selective enzymatic chemistry for polymer conjugation to protein lysine residues: PEGylation of G-CSF at lysine-41. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6545-6553	4.9	22
48	Covalent conjugation of poly(ethylene glycol) to proteins and peptides: strategies and methods. <i>Methods in Molecular Biology</i> , <b>2011</b> , 751, 95-129	1.4	22

47	Covalent immobilisation of transglutaminase: stability and applications in protein PEGylation. <i>Journal of Drug Targeting</i> , <b>2017</b> , 25, 856-864	5.4	19
46	PEG-metronidazole conjugates: synthesis, in vitro and in vivo properties. <i>Il Farmaco</i> , <b>2005</b> , 60, 783-8		17
45	Polyethylene Glycol Preconditioning: An Effective Strategy to Prevent Liver Ischemia Reperfusion Injury. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 9096549	6.7	17
44	Highly efficient technetium-99m labeling procedure based on the conjugation of N-[N-(3-diphenylphosphinopropionyl)glycyl]cysteine ligand with poly(ethylene glycol). <i>Bioconjugate Chemistry</i> , <b>2004</b> , 15, 1046-54	6.3	16
43	A site-selective hyaluronan-interferon $\alpha$ conjugate for the treatment of ovarian cancer. <i>Journal of Controlled Release</i> , <b>2016</b> , 236, 79-89	11.7	16
42	Role of proton pump inhibitor on esophageal carcinogenesis and pancreatic acinar cell metaplasia development: an experimental in vivo study. <i>PLoS ONE</i> , <b>2014</b> , 9, e112862	3.7	15
41	Drug conjugation to hyaluronan widens therapeutic indications for ovarian cancer. <i>Oncoscience</i> , <b>2015</b> , 2, 373-81	0.8	13
40	Molecular platforms for targeted drug delivery. <i>International Review of Cell and Molecular Biology</i> , <b>2019</b> , 346, 1-50	6	12
39	Thiol-Activated Anticancer Agents: The State Of The Art. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2016</b> , 16, 1-1	2.2	12
38	Protective Effect of Intravenous High Molecular Weight Polyethylene Glycol on Fatty Liver Preservation. <i>BioMed Research International</i> , <b>2015</b> , 2015, 794287	3	11
37	Peritoneal tumor carcinomatosis: pharmacological targeting with hyaluronan-based bioconjugates overcomes therapeutic indications of current drugs. <i>PLoS ONE</i> , <b>2014</b> , 9, e112240	3.7	10
36	Stabilization of a supplemental digestive enzyme by post-translational engineering using chemically-activated polyethylene glycol. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 617-21	3	10
35	Evolution of polymer conjugation to proteins <b>2020</b> , 3-22		9
34	A novel PEG $\beta$ aloperidol conjugate with a non-degradable linker shows the feasibility of using polymer $\beta$ drug conjugates in a non-prodrug fashion. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 7204-7210	4.9	8
33	PHEA-graft-polymethacrylate supramolecular aggregates for protein oral delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 84, 21-8	5.7	8
32	Hyaluronic Acid as a Protein Polymeric Carrier: An Overview and a Report on Human Growth Hormone. <i>Current Drug Targets</i> , <b>2015</b> , 16, 1503-11	3	8
31	Overcoming Cancer Cell Drug Resistance by a Folic Acid Targeted Polymeric Conjugate of Buthionine Sulfoximine. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2019</b> , 19, 1513-1522	2.2	8
30	Pharmacokinetic stability of macrocyclic peptide triazole HIV-1 inactivators alone and in liposomes. <i>Journal of Peptide Science</i> , <b>2019</b> , 25, e3155	2.1	6

29	Enzymatic formation of PEGylated oligonucleotides. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 433-41	6.3	6
28	Transglutaminase-Mediated Nanoarmoring of Enzymes by PEGylation. <i>Methods in Enzymology</i> , <b>2017</b> , 590, 317-346	1.7	6
27	Improvement of Drug Therapy by Covalent PEG Conjugation: An Overview From a Research Laboratory. <i>Israel Journal of Chemistry</i> , <b>2010</b> , 50, 151-159	3.4	6
26	CDCP1 overexpression drives prostate cancer progression and can be targeted in vivo. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 2435-2450	15.9	6
25	A protein engineering approach differentiates the functional importance of carbohydrate moieties of interleukin-5 receptor $\beta$ . <i>Biochemistry</i> , <b>2011</b> , 50, 7546-56	3.2	5
24	The evolution of polymer conjugation and drug targeting for the delivery of proteins and bioactive molecules. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , 13, e1689	9.2	5
23	Transglutaminase and Sialyltransferase Enzymatic Approaches for Polymer Conjugation to Proteins. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2018</b> , 112, 123-142	5.3	4
22	DrugPolymer Conjugates <b>2007</b> , 1043-1068		4
21	Basic Strategies for PEGylation of Peptide and Protein Drugs <b>2006</b> , 53-84		4
20	Novel super stealth immunoliposomes for cancer targeted delivery of doxorubicin: an innovative strategy to reduce liver toxicity. <i>Digestive and Liver Disease</i> , <b>2019</b> , 51, e21	3.3	3
19	Poly(L-glutamic acid)-co-poly(ethylene glycol) block copolymers for protein conjugation. <i>Journal of Controlled Release</i> , <b>2020</b> , 324, 228-237	11.7	3
18	Folic Acid-Targeted Paclitaxel-Polymer Conjugates Exert Selective Cytotoxicity and Modulate Invasiveness of Colon Cancer Cells. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
17	A non-covalent antibody complex for the delivery of anti-cancer drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 142, 49-60	5.7	2
16	Poly(ethylene glycol)-Protein, Peptide, and Enzyme Conjugates <b>2010</b> , 265-288		2
15	The role and impact of polyethylene glycol on anaphylactic reactions to COVID-19 nano-vaccines. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 1169-1171	28.7	2
14	Enzymatic approaches to new protein conjugates <b>2020</b> , 271-295		2
13	Actin-Resistant DNase1L2 as a Potential Therapeutics for CF Lung Disease. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
12	Hyaluronan is a natural and effective immunological adjuvant for protein-based vaccines. <i>Cellular and Molecular Immunology</i> , <b>2021</b> , 18, 1197-1210	15.4	2

11	Polyethylene glycol-based linkers as hydrophilicity reservoir for antibody-drug conjugates. <i>Journal of Controlled Release</i> , <b>2021</b> , 337, 431-447	11.7	2
10	Protein PEGylation <b>2012</b> , 295-313		1
9	Liver Graft Washout Prevents Against Reperfusion Injury: Protective Effects on Glycocalyx and Cytoskeleton. <i>Transplantation</i> , <b>2012</b> , 94, 579	1.8	1
8	PEG: a useful technology in anticancer therapy <b>2009</b> , 255-271		1
7	PEGylated Interferons: two different strategies to achieve increased efficacy <b>2009</b> , 205-216		1
6	PEGylated Proteins as Cancer Therapeutics <b>2006</b> , 85-110		1
5	Original and generic preservation solutions in organ transplantation. A new paradigm?. <i>Acta Cirurgica Brasileira</i> , <b>2020</b> , 35, e202000101	1.6	1
4	Conjugation to PEG as a Strategy to Limit the Uptake of Drugs by the Placenta: Potential Applications for Drug Administration in Pregnancy. <i>Molecular Pharmaceutics</i> , <b>2021</b> ,	5.6	1
3	A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. <i>Biomaterials Science</i> , <b>2021</b> ,	7.4	1
2	Challenges in the analytical characterization of PEGylated asparaginase <b>2020</b> , 205-231		1
1	Efficacy of PEGylated ciliary neurotrophic factor superagonist variant in diet-induced obesity mice.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0265749	3.7	