

# Elisabeth Garanger

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

2,682  
citations

201385

27  
h-index

189595

50  
g-index

64  
all docs

64  
docs citations

64  
times ranked

4323  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple method to achieve high doxorubicin loading in biodegradable polymersomes. <i>Journal of Controlled Release</i> , 2010, 147, 428-435.	4.8	317
2	Template Assembled Cyclopeptides as Multimeric System for Integrin Targeting and Endocytosis. <i>Journal of the American Chemical Society</i> , 2004, 126, 5730-5739.	6.6	202
3	Tumor Targeting with RGD Peptide Ligands-Design of New Molecular Conjugates for Imaging and Therapy of Cancers. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2007, 7, 552-558.	0.9	169
4	Clustering and Internalization of Integrin $\alpha_5\beta_3$ With a Tetrameric RGD-synthetic Peptide. <i>Molecular Therapy</i> , 2009, 17, 837-843.	3.7	148
5	Aqueous Ring-Opening Polymerization-Induced Self-Assembly (ROPISA) of $N$ -Carboxyanhydrides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 622-626.	7.2	129
6	Molecular MRI of Cardiomyocyte Apoptosis With Simultaneous Delayed-Enhancement MRI Distinguishes Apoptotic and Necrotic Myocytes In Vivo. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 460-467.	1.3	92
7	New Multifunctional Molecular Conjugate Vector for Targeting, Imaging, and Therapy of Tumors. <i>Molecular Therapy</i> , 2005, 12, 1168-1175.	3.7	85
8	Tuning Sizes, Morphologies, and Magnetic Properties of Monocore Versus Multicore Iron Oxide Nanoparticles through the Controlled Addition of Water in the Polyol Synthesis. <i>Inorganic Chemistry</i> , 2017, 56, 8232-8243.	1.9	83
9	Multivalent RGD synthetic peptides as potent $\alpha_5\beta_3$ integrin ligands. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1958-1965.	1.5	76
10	Enzyme-Degradable Self-Assembled Nanostructures from Polymer-Peptide Hybrids. <i>Biomacromolecules</i> , 2014, 15, 1882-1888.	2.6	63
11	Visualization of lipids and proteins at high spatial and temporal resolution via interferometric scattering (iSCAT) microscopy. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 274002.	1.3	58
12	Monocore vs. multicore magnetic iron oxide nanoparticles: uptake by glioblastoma cells and efficiency for magnetic hyperthermia. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 629-639.	1.7	54
13	Noninvasive Optical Imaging of Ovarian Metastases Using Cy5-labeled RAFT-c(-RGDfK)- <sub>4</sub> . <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00022.	0.7	53
14	Dynamic Spatial Formation and Distribution of Intrinsically Disordered Protein Droplets in Macromolecularly Crowded Protocells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11028-11036.	7.2	53
15	Quantitative Side-Chain Modifications of Methionine-Containing Elastin-Like Polypeptides as a Versatile Tool to Tune Their Properties. <i>ACS Macro Letters</i> , 2015, 4, 1283-1286.	2.3	49
16	Selective Tuning of Elastin-like Polypeptide Properties via Methionine Oxidation. <i>Biomacromolecules</i> , 2017, 18, 544-550.	2.6	49
17	Physicochemical Studies of Caroubin: A Gluten-like Protein. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 3414-3419.	2.4	46
18	Single Reporter for Targeted Multimodal in Vivo Imaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 5149-5156.	6.6	45

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19	Towards Bioactive Nanovehicles Based on Protein Polymers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3060-3062.	7.2	44
20	Design of Polysaccharide- <i>b</i> -Elastin-Like Polypeptide Bioconjugates and Their Thermoresponsive Self-Assembly. <i>Biomacromolecules</i> , 2020, 21, 114-125.	2.6	43
21	Tuning Thermoresponsive Properties of Cationic Elastin-like Polypeptides by Varying Counterions and Side-Chains. <i>Bioconjugate Chemistry</i> , 2017, 28, 1403-1412.	1.8	40
22	Development of a cell-free and growth factor-free hydrogel capable of inducing angiogenesis and innervation after subcutaneous implantation. <i>Acta Biomaterialia</i> , 2019, 99, 154-167.	4.1	40
23	Simplified syntheses of complex multifunctional nanomaterials. <i>Chemical Communications</i> , 2008, , 4792.	2.2	38
24	A DNA-binding Gd chelate for the detection of cell death by MRI. <i>Chemical Communications</i> , 2009, , 4444.	2.2	38
25	Chemoselectively Addressable Template: A Valuable Tool for the Engineering of Molecular Conjugates. <i>Journal of Organic Chemistry</i> , 2006, 71, 2402-2410.	1.7	36
26	Synthesis and Biological Characterisation of Targeted Pro-Apoptotic Peptide. <i>ChemBioChem</i> , 2008, 9, 2326-2332.	1.3	36
27	Structural Evolution of a Stimulus-Responsive Diblock Polypeptide Micelle by Temperature Tunable Compaction of its Core. <i>Macromolecules</i> , 2015, 48, 6617-6627.	2.2	33
28	Tailored drug-release from multi-functional polymer-peptide hybrid vesicles. <i>European Polymer Journal</i> , 2015, 62, 363-373.	2.6	27
29	Aqueous Ring-Opening Polymerization-Induced Self-Assembly (ROPISA) of Carboxyanhydrides. <i>Angewandte Chemie</i> , 2020, 132, 632-636.	1.6	26
30	Self-Assembly of PEG- <i>b</i> -PTMC Copolymers: Micelles and Polymersomes Size Control. <i>Langmuir</i> , 2019, 35, 13364-13374.	1.6	25
31	Production, purification and characterization of an elastin-like polypeptide containing the Ile-Lys-Val-Ala-Val (IKVAV) peptide for tissue engineering applications. <i>Journal of Biotechnology</i> , 2019, 298, 35-44.	1.9	25
32	Characterisation of hydration and nanophase separation during the temperature response in hydrophobic/hydrophilic elastin-like polypeptide (ELP) diblock copolymers. <i>Soft Matter</i> , 2017, 13, 1816-1822.	1.2	24
33	Thermosensitive Vesicles from Chemically Encoded Lipid-Grafted Elastin-Like Polypeptides. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15036-15040.	7.2	24
34	Thermosensitive polymer-grafted iron oxide nanoparticles studied by <i>in situ</i> dynamic light backscattering under magnetic hyperthermia. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 494001.	1.3	23
35	Recombinant production and purification of short hydrophobic Elastin-like polypeptides with low transition temperatures. <i>Protein Expression and Purification</i> , 2016, 121, 81-87.	0.6	23
36	Design and self-assembly of PBLG- <i>b</i> -ELP hybrid diblock copolymers based on synthetic and elastin-like polypeptides. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10095-10104.	1.5	23

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37	Thermosensitive Hybrid Elastin-like Polypeptide-Based ABC Triblock Hydrogel. <i>Macromolecules</i> , 2021, 54, 327-340.	2.2	23
38	Nano-Encapsulation of Plitidepsin: In Vivo Pharmacokinetics, Biodistribution, and Efficacy in a Renal Xenograft Tumor Model. <i>Pharmaceutical Research</i> , 2014, 31, 983-991.	1.7	21
39	Multifunctional Stimuli-Responsive Cellulose Nanocrystals via Dual Surface Modification with Genetically Engineered Elastin-Like Polypeptides and Poly(acrylic acid). <i>ACS Macro Letters</i> , 2018, 7, 646-650.	2.3	21
40	Spatiotemporal Dynamic Assembly/Disassembly of Organelle-Mimics Based on Intrinsically Disordered Protein-Polymer Conjugates. <i>Advanced Science</i> , 2021, 8, e2102508.	5.6	21
41	Design of Thermoresponsive Elastin-Like Glycopolypeptides for Selective Lectin Binding and Sorting. <i>Biomacromolecules</i> , 2021, 22, 76-85.	2.6	20
42	Nanoparticles based on natural, engineered or synthetic proteins and polypeptides for drug delivery applications. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119537.	2.6	19
43	Dynamic Spatial Formation and Distribution of Intrinsically Disordered Protein Droplets in Macromolecularly Crowded Protocells. <i>Angewandte Chemie</i> , 2020, 132, 11121-11129.	1.6	19
44	Expanding the Toolbox of Chemoselective Modifications of Protein-Like Polymers at Methionine Residues. <i>ACS Macro Letters</i> , 2019, 8, 1648-1653.	2.3	18
45	Self-Assembly of Stimuli-Responsive Biohybrid Synthetic- <i>b</i> -Recombinant Block Copolypeptides. <i>Biomacromolecules</i> , 2019, 20, 254-272.	2.6	17
46	Elastin-like Polypeptide-Based Bioink: A Promising Alternative for 3D Bioprinting. <i>Biomacromolecules</i> , 2021, 22, 4956-4966.	2.6	16
47	Hyaluronic Acid-Presenting Self-Assembled Nanoparticles Transform a Hyaluronidase HYAL1 Substrate into an Efficient and Selective Inhibitor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13591-13596.	7.2	15
48	Refining the Design of Diblock Elastin-Like Polypeptides for Self-Assembly into Nanoparticles. <i>Polymers</i> , 2021, 13, 1470.	2.0	15
49	Expression and purification of short hydrophobic elastin-like polypeptides with maltose-binding protein as a solubility tag. <i>Protein Expression and Purification</i> , 2015, 110, 165-171.	0.6	14
50	Divergent Oriented Synthesis For the Design of Reagents for Protein Conjugation. <i>ACS Combinatorial Science</i> , 2010, 12, 57-64.	3.3	13
51	Nucleic acids complexation with cationic elastin-like polypeptides: Stoichiometry and stability of nano-assemblies. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 777-792.	5.0	13
52	Self-assembled core-shell micelles from peptide-b-polymer molecular chimeras towards structure-activity relationships. <i>Faraday Discussions</i> , 2013, 166, 83.	1.6	11
53	Precision polymers with biological activity: Design towards self-assembly and bioactivity. <i>Comptes Rendus Chimie</i> , 2016, 19, 143-147.	0.2	10
54	Biofunctional micellar nanoparticles from peptide-b-polymer chimeras. <i>Polymer Chemistry</i> , 2013, 4, 2011.	1.9	9

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55	A Multifunctional Single-Attachment-Point Reagent for Controlled Protein Biotinylation. <i>Bioconjugate Chemistry</i> , 2009, 20, 170-173.	1.8	7
56	Biocompatibility study of two diblock copolymeric nanoparticles for biomedical applications by in vitro toxicity testing. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	7
57	Coupling of RAFT polymerization and chemoselective post-modifications of elastin-like polypeptides for the synthesis of gene delivery hybrid vectors. <i>Polymer Chemistry</i> , 2021, 12, 226-241.	1.9	7
58	Photooxidation Responsive Elastin-Like Polypeptide Conjugates for Photodynamic Therapy Application. <i>Bioconjugate Chemistry</i> , 2021, 32, 1719-1728.	1.8	7
59	Multivalent Elastin-Like Glycopolypeptides: Subtle Chemical Structure Modifications with High Impact on Lectin Binding Affinity. <i>ACS Macro Letters</i> , 2021, 10, 65-70.	2.3	6
60	Thermosensitive Vesicles from Chemically Encoded Lipid-Grafted Elastin-Like Polypeptides. <i>Angewandte Chemie</i> , 2021, 133, 15163-15167.	1.6	6
61	Luminescent probes for optical in vivo imaging. , 2005, , .		5
62	Titelbild: Aqueous Ring-Opening Polymerization-Induced Self-Assembly (ROPISA) of N-Carboxyanhydrides ( <i>Angew. Chem.</i> 2/2020). <i>Angewandte Chemie</i> , 2020, 132, 517-517.	1.6	0