

# Ulrich LÃ¶schelt

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,402  
citations

218592

26  
h-index

155592

55  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Receptor-Targeted Dual pH-Triggered Intracellular Protein Transfer. ACS Biomaterials Science and Engineering, 2024, 10, 99-114.	2.6	3
2	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications. Chemical Society Reviews, 2022, 51, 464-484.	18.7	144
3	Cross-Linkable Polyion Complex Micelles from Polypept(o)ide-Based ABC-Triblock Copolymers for siRNA Delivery. Macromolecular Rapid Communications, 2022, 43, e2100698.	2.0	5
4	Non-viral delivery of the CRISPR/Cas system: DNA versus RNA versus RNP. Biomaterials Science, 2022, 10, 1166-1192.	2.6	40
5	Reticular Nanoscience: Bottom-Up Assembly Nanotechnology. Journal of the American Chemical Society, 2022, 144, 7531-7550.	6.6	38
6	Transient Permeabilization of Living Cells: Combining Shear Flow and Acoustofluidic Trapping for the Facilitated Uptake of Molecules. Processes, 2021, 9, 913.	1.3	11
7	Der derzeitige Stand von MOF- und COF-Anwendungen. Angewandte Chemie, 2021, 133, 24174-24202.	1.6	18
8	The Current Status of MOF and COF Applications. Angewandte Chemie - International Edition, 2021, 60, 23975-24001.	7.2	450
9	Dynamic mRNA polyplexes benefit from bio-reducible cleavage sites for in vitro and in vivo transfer. Journal of Controlled Release, 2021, 339, 27-40.	4.8	20
10	Controlling Nanoparticle Formulation: A Low-Budget Prototype for the Automation of a Microfluidic Platform. Processes, 2021, 9, 129.	1.3	8
11	Multifunctional Cationic PeptoStars as siRNA Carrier: Influence of Architecture and Histidine Modification on Knockdown Potential. Macromolecular Bioscience, 2020, 20, 1900152.	2.1	11
12	Colloidal nanoparticles as pharmaceutical agents. Frontiers of Nanoscience, 2020, 16, 89-115.	0.3	2
13	Tuning the Morphological Appearance of Iron(III) Fumarate: Impact on Material Characteristics and Biocompatibility. Chemistry of Materials, 2020, 32, 2253-2263.	3.2	19
14	The Chemistry of Reticular Framework Nanoparticles: MOF, ZIF, and COF Materials. Advanced Functional Materials, 2020, 30, 1909062.	7.8	174
15	Delivery of Cas9/sgRNA Ribonucleoprotein Complexes via Hydroxystearyl Oligoamino Amides. Bioconjugate Chemistry, 2020, 31, 729-742.	1.8	26
16	Metal-organic Nanopharmaceuticals. Pharmaceutical Nanotechnology, 2020, 8, 163-190.	0.6	2
17	Supramolecular Assembly of Aminoethylene-Lipopeptide PMO Conjugates into RNA Splice-Switching Nanomicelles. Advanced Functional Materials, 2019, 29, 1906432.	7.8	14
18	Core-Shell Functionalized Zirconium-Pemetrexed Coordination Nanoparticles as Carriers with a High Drug Content. Advanced Therapeutics, 2019, 2, 1900120.	1.6	12

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19	Coordinative Binding of Polymers to Metal-Organic Framework Nanoparticles for Control of Interactions at the Biointerface. <i>ACS Nano</i> , 2019, 13, 3884-3895.	7.3	73
20	Size tunable nanoparticle formation employing droplet fusion by acoustic streaming applied to polyplexes. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 244002.	1.3	5
21	Multifunctional Efficiency: Extending the Concept of Atom Economy to Functional Nanomaterials. <i>ACS Nano</i> , 2018, 12, 2094-2105.	7.3	210
22	Epidermal growth factor receptor targeted methotrexate and small interfering RNA co-delivery. <i>Journal of Gene Medicine</i> , 2018, 20, e3041.	1.4	20
23	Multifunctional Nanoparticles by Coordinative Self-Assembly of His-Tagged Units with Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 2359-2368.	6.6	171
24	Polyplex Evolution: Understanding Biology, Optimizing Performance. <i>Molecular Therapy</i> , 2017, 25, 1476-1490.	3.7	146
25	Antitumoral Cascade-Targeting Ligand for IL-6 Receptor-Mediated Gene Delivery to Glioma. <i>Molecular Therapy</i> , 2017, 25, 1556-1566.	3.7	40
26	Combining reactive triblock copolymers with functional cross-linkers: A versatile pathway to disulfide stabilized-polyplex libraries and their application as pDNA vaccines. <i>Journal of Controlled Release</i> , 2017, 258, 146-160.	4.8	27
27	Toward Artificial Immunotoxins: Traceless Reversible Conjugation of RNase A with Receptor Targeting and Endosomal Escape Domains. <i>Molecular Pharmaceutics</i> , 2017, 14, 1439-1449.	2.3	24
28	Augmented glioma-targeted theranostics using multifunctional polymer-coated carbon nanodots. <i>Biomaterials</i> , 2017, 141, 29-39.	5.7	52
29	Sequence-Defined Oligoamide Drug Conjugates of Pretubulysin and Methotrexate for Folate Receptor Targeted Cancer Therapy. <i>Macromolecular Bioscience</i> , 2017, 17, 1600520.	2.1	16
30	Minicircle Versus Plasmid DNA Delivery by Receptor-Targeted Polyplexes. <i>Human Gene Therapy</i> , 2017, 28, 862-874.	1.4	21
31	Lipo-Oligomer Nanoformulations for Targeted Intracellular Protein Delivery. <i>Biomacromolecules</i> , 2017, 18, 2509-2520.	2.6	28
32	Influence of Defined Hydrophilic Blocks within Oligoaminoamide Copolymers: Compaction versus Shielding of pDNA Nanoparticles. <i>Polymers</i> , 2017, 9, 142.	2.0	17
33	Controllable Acoustic Mixing of Fluids in Microchannels for the Fabrication of Therapeutic Nanoparticles. <i>Micromachines</i> , 2016, 7, 150.	1.4	25
34	493. Nonviral Gene Transfer by Sequence-Defined Proton-Sponges with Combined Nucleic Acid Binding and Endosomal Buffering: Balancing Basicities. <i>Molecular Therapy</i> , 2016, 24, S195.	3.7	0
35	Imparting Functionality to MOF Nanoparticles by External Surface Selective Covalent Attachment of Polymers. <i>Chemistry of Materials</i> , 2016, 28, 3318-3326.	3.2	218
36	From Artificial Amino Acids to Sequence-Defined Targeted Oligoaminoamides. <i>Methods in Molecular Biology</i> , 2016, 1445, 235-258.	0.4	6

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37	Acid-labile pHPMA modification of four-arm oligoaminoamide pDNA polyplexes balances shielding and gene transfer activity in vitro and in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 105, 85-96.	2.0	16
38	Tumoral gene silencing by receptor-targeted combinatorial siRNA polyplexes. <i>Journal of Controlled Release</i> , 2016, 244, 280-291.	4.8	40
39	pH-Reversible Cationic RNase A Conjugates for Enhanced Cellular Delivery and Tumor Cell Killing. <i>Biomacromolecules</i> , 2016, 17, 173-182.	2.6	42
40	Dual antitumoral potency of EG5 siRNA nanoplexes armed with cytotoxic bifunctional glutamyl-methotrexate targeting ligand. <i>Biomaterials</i> , 2016, 77, 98-110.	5.7	57
41	Combinatorial Optimization of Sequence-Defined Oligo(ethan amino)amides for Folate Receptor-Targeted pDNA and siRNA Delivery. <i>Bioconjugate Chemistry</i> , 2016, 27, 647-659.	1.8	38
42	Combination of sequence-defined oligoaminoamides with transferrin- $\alpha$ -polycation conjugates for receptor- $\alpha$ -targeted gene delivery. <i>Journal of Gene Medicine</i> , 2015, 17, 161-172.	1.4	22
43	Histidine-rich stabilized polyplexes for cMet-directed tumor-targeted gene transfer. <i>Nanoscale</i> , 2015, 7, 5350-5362.	2.8	61
44	Assessing potential peptide targeting ligands by quantification of cellular adhesion of model nanoparticles under flow conditions. <i>Journal of Controlled Release</i> , 2015, 213, 79-85.	4.8	19
45	Nucleic Acid Therapeutics Using Polyplexes: A Journey of 50 Years (and Beyond). <i>Chemical Reviews</i> , 2015, 115, 11043-11078.	23.0	495
46	Multifunctional Oligoaminoamides for the Receptor-Specific Delivery of Therapeutic RNA. <i>Methods in Molecular Biology</i> , 2015, 1324, 369-386.	0.4	1
47	Sequence-defined nucleic acid carriers combining distinct modules for complexation, shielding, receptor-targeting and endosomal escape. <i>Journal of Controlled Release</i> , 2015, 213, e106-e107.	4.8	1
48	Dual-Targeted Polyplexes Based on Sequence-Defined Peptide-PEG-Oligoamino Amides. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 464-475.	1.6	34
49	Native chemical ligation for conversion of sequence-defined oligomers into targeted pDNA and siRNA carriers. <i>Journal of Controlled Release</i> , 2014, 180, 42-50.	4.8	27
50	Synthetic Polyglutamylation of Dual-Functional MTX Ligands for Enhanced Combined Cytotoxicity of Poly(I:C) Nanoplexes. <i>Molecular Pharmaceutics</i> , 2014, 11, 2631-2639.	2.3	30
51	Fine-tuning of proton sponges by precise diaminoethanes and histidines in pDNA polyplexes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 35-44.	1.7	116
52	Influences on Cellular Adhesion of Nanoparticles under Blood Flow-Like Conditions. <i>Biophysical Journal</i> , 2014, 106, 210a.	0.2	1
53	Solid-phase-assisted synthesis of targeting peptide- $\alpha$ -PEG- $\alpha$ -oligo(ethane amino)amides for receptor-mediated gene delivery. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3258.	1.5	65
54	Nanosized Multifunctional Polyplexes for Receptor-Mediated SiRNA Delivery. <i>ACS Nano</i> , 2012, 6, 5198-5208.	7.3	127

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55	Defined Folate-PEG-siRNA Conjugates for Receptor-specific Gene Silencing. <i>Molecular Therapy - Nucleic Acids</i> , 2012, 1, e7.	2.3	98
56	Invading target cells: multifunctional polymer conjugates as therapeutic nucleic acid carriers. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 275-286.	2.3	11
57	A microfluidic approach for sequential assembly of siRNA polyplexes with a defined structure-activity relationship. , 0, 1, e1.		5