

# Andreas Schätzlein

## List of Publications by Year in descending order

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115  
papers

7,101  
citations

66234

42  
h-index

58464

82  
g-index

120  
all docs

120  
docs citations

120  
times ranked

7902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendrimers in gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 2177-2202.	6.6	929
2	Ultraflexible vesicles, Transfersomes, have an extremely low pore penetration resistance and transport therapeutic amounts of insulin across the intact mammalian skin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1368, 201-215.	1.4	387
3	Gene delivery with synthetic (non viral) carriers. <i>International Journal of Pharmaceutics</i> , 2001, 229, 1-21.	2.6	350
4	The lower-generation polypropylenimine dendrimers are effective gene-transfer agents. <i>Pharmaceutical Research</i> , 2002, 19, 960-967.	1.7	288
5	Ultradeformable lipid vesicles can penetrate the skin and other semi-permeable barriers unfragmented. Evidence from double label CLSM experiments and direct size measurements. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 21-30.	1.4	277
6	Phase II studies of polymer-doxorubicin (PK1, FCE28068) in the treatment of breast, lung and colorectal cancer. <i>International Journal of Oncology</i> , 2009, 34, 1629-36.	1.4	251
7	Phase I and Pharmacodynamic Trial of the DNA Methyltransferase Inhibitor Decitabine and Carboplatin in Solid Tumors. <i>Journal of Clinical Oncology</i> , 2007, 25, 4603-4609.	0.8	224
8	Transdermal drug carriers: Basic properties, optimization and transfer efficiency in the case of epicutaneously applied peptides. <i>Journal of Controlled Release</i> , 1995, 36, 3-16.	4.8	221
9	The skin: a pathway for systemic treatment with patches and lipid-based agent carriers. <i>Advanced Drug Delivery Reviews</i> , 1996, 18, 349-378.	6.6	198
10	Non-viral vectors in cancer gene therapy: principles and progress. <i>Anti-Cancer Drugs</i> , 2001, 12, 275-304.	0.7	176
11	Transfersomes-mediated transepidermal delivery improves the regio-specificity and biological activity of corticosteroids in vivo. Dedicated to the late Dr. Henri Ernest Bodde. <i>Journal of Controlled Release</i> , 1997, 45, 211-226.	4.8	152
12	Tumour vasculature as a target for anticancer therapy. <i>Cancer Treatment Reviews</i> , 2000, 26, 191-204.	3.4	147
13	Nose-to-Brain Delivery. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 370, 593-601.	1.3	141
14	Amphiphilic poly(l-amino acids) as New materials for drug delivery. <i>Journal of Controlled Release</i> , 2012, 161, 523-536.	4.8	138
15	Preliminary Characterization of Novel Amino Acid Based Polymeric Vesicles as Gene and Drug Delivery Agents. <i>Bioconjugate Chemistry</i> , 2000, 11, 880-891.	1.8	136
16	Synthetic Anticancer Gene Medicine Exploits Intrinsic Antitumor Activity of Cationic Vector to Cure Established Tumors. <i>Cancer Research</i> , 2005, 65, 8079-8084.	0.4	136
17	Strategies To Deliver Peptide Drugs to the Brain. <i>Molecular Pharmaceutics</i> , 2014, 11, 1081-1093.	2.3	133
18	Preferential liver gene expression with polypropylenimine dendrimers. <i>Journal of Controlled Release</i> , 2005, 101, 247-258.	4.8	130

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19	PEI-based vesicle-polymer hybrid gene delivery system with improved biocompatibility. <i>International Journal of Pharmaceutics</i> , 2004, 274, 41-52.	2.6	118
20	Carbohydrate-Based Micelle Clusters Which Enhance Hydrophobic Drug Bioavailability by Up to 1 Order of Magnitude. <i>Biomacromolecules</i> , 2006, 7, 3452-3459.	2.6	115
21	Polymeric Chitosan-based Vesicles for Drug Delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 50, 453-458.	1.2	113
22	Niosomes and polymeric chitosan based vesicles bearing transferrin and glucose ligands for drug targeting. <i>Pharmaceutical Research</i> , 2000, 17, 1250-1258.	1.7	99
23	Anticancer Drug Delivery with Transferrin Targeted Polymeric Chitosan Vesicles. <i>Pharmaceutical Research</i> , 2004, 21, 101-107.	1.7	99
24	Enhanced Oral Absorption of Hydrophobic and Hydrophilic Drugs Using Quaternary Ammonium Palmitoyl Glycol Chitosan Nanoparticles. <i>Molecular Pharmaceutics</i> , 2012, 9, 14-28.	2.3	97
25	Oral Particle Uptake and Organ Targeting Drives the Activity of Amphotericin B Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 420-431.	2.3	91
26	Glucose-targeted niosomes deliver vasoactive intestinal peptide (VIP) to the brain. <i>International Journal of Pharmaceutics</i> , 2004, 285, 77-85.	2.6	86
27	Evaluation of Generation 2 and 3 Poly(Propylenimine) Dendrimers for the Potential Cellular Delivery of Antisense Oligonucleotides Targeting the Epidermal Growth Factor Receptor. <i>Pharmaceutical Research</i> , 2004, 21, 458-466.	1.7	81
28	Delivery of Peptides to the Blood and Brain after Oral Uptake of Quaternary Ammonium Palmitoyl Glycol Chitosan Nanoparticles. <i>Molecular Pharmaceutics</i> , 2012, 9, 1764-1774.	2.3	77
29	Nanofiber-Based Delivery of Therapeutic Peptides to the Brain. <i>ACS Nano</i> , 2013, 7, 1016-1026.	7.3	77
30	Cancer-Specific Transgene Expression Mediated by Systemic Injection of Nanoparticles. <i>Cancer Research</i> , 2009, 69, 2655-2662.	0.4	74
31	In vitro and in vivo gene transfer with poly(amino acid) vesicles. <i>Journal of Controlled Release</i> , 2003, 93, 193-211.	4.8	69
32	Overcoming Semipermeable Barriers, Such as the Skin, with Ultradeformable Mixed Lipid Vesicles, Transfersomes, Liposomes, or Mixed Lipid Micelles. <i>Langmuir</i> , 2003, 19, 10753-10763.	1.6	68
33	A p53-derived apoptotic peptide derepresses p73 to cause tumor regression in vivo. <i>Journal of Clinical Investigation</i> , 2007, 117, 1008-1018.	3.9	65
34	Targeting of Synthetic Gene Delivery Systems. <i>Journal of Biomedicine and Biotechnology</i> , 2003, 2003, 149-158.	3.0	64
35	A Prodrug Nanoparticle Approach for the Oral Delivery of a Hydrophilic Peptide, Leucine-enkephalin, to the Brain. <i>Molecular Pharmaceutics</i> , 2012, 9, 1665-1680.	2.3	64
36	Exploring uptake mechanisms of oral nanomedicines using multimodal nonlinear optical microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 458-468.	1.1	62

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37	<i>In silico</i> modelling of drug-polymer interactions for pharmaceutical formulations. <i>Journal of the Royal Society Interface</i> , 2010, 7, S423-33.	1.5	61
38	Polyelectrolyte Nanoparticles with High Drug Loading Enhance the Oral Uptake of Hydrophobic Compounds. <i>Biomacromolecules</i> , 2006, 7, 1509-1520.	2.6	60
39	Targeting pancreatic cancer with a G-quadruplex ligand. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7151-7157.	1.4	58
40	Nanoparticulate peptide delivery exclusively to the brain produces tolerance free analgesia. <i>Journal of Controlled Release</i> , 2018, 270, 135-144.	4.8	51
41	GC-Targeted C8-Linked Pyrrolobenzodiazepine-Biaryl Conjugates with Femtomolar in Vitro Cytotoxicity and in Vivo Antitumor Activity in Mouse Models. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2911-2935.	2.9	50
42	Label-free imaging of polymeric nanomedicines using coherent anti-stokes Raman scattering microscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 681-688.	1.2	42
43	Gene Transfer with Three Amphiphilic Glycol Chitosans—the Degree of Polymerisation is the Main Controller of Transfection Efficiency. <i>Journal of Drug Targeting</i> , 2004, 12, 527-539.	2.1	40
44	Solid-phase synthesis of c(RGDfK) derivatives: on-resin cyclisation and lysine functionalisation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 547-549.	1.0	39
45	Delivering cancer stem cell therapies – A role for nanomedicines?. <i>European Journal of Cancer</i> , 2006, 42, 1309-1315.	1.3	39
46	Inhibition of the hypoxia-inducible factor pathway by a G-quadruplex binding small molecule. <i>Scientific Reports</i> , 2013, 3, 2799.	1.6	35
47	Imaging cortical vasculature with stimulated Raman scattering and two-photon photothermal lensing microscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 668-674.	1.2	33
48	Chitosan amphiphile coating of peptide nanofibres reduces liver uptake and delivers the peptide to the brain on intravenous administration. <i>Journal of Controlled Release</i> , 2015, 197, 87-96.	4.8	31
49	SARS-CoV-2 inhibition using a mucoadhesive, amphiphilic chitosan that may serve as an anti-viral nasal spray. <i>Scientific Reports</i> , 2021, 11, 20012.	1.6	31
50	Physical Characterisation and Long-Term Stability Studies on Quaternary Ammonium Palmitoyl Glycol Chitosan (GCPQ)—A New Drug Delivery Polymer. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2296-2306.	1.6	29
51	Lomustine Nanoparticles Enable Both Bone Marrow Sparing and High Brain Drug Levels – A Strategy for Brain Cancer Treatments. <i>Pharmaceutical Research</i> , 2016, 33, 1289-1303.	1.7	29
52	Polyhedral Non-ionic Surfactant Vesicles. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 606-610.	1.2	27
53	Efficient synthesis and biological evaluation of proximicins A, B and C. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2019-2024.	1.4	26
54	A nano-enabled cancer-specific ITCH RNAi chemotherapy booster for pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 369-377.	1.7	25

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55	Clustering superparamagnetic iron oxide nanoparticles produces organ-targeted high-contrast magnetic resonance images. <i>Nanomedicine</i> , 2019, 14, 1135-1152.	1.7	25
56	Chitosan amphiphiles provide new drug delivery opportunities. <i>Polymer International</i> , 2014, 63, 1145-1153.	1.6	23
57	Quantification of Î²-galactosidase activity after non-viral transfection in vivo. <i>Journal of Controlled Release</i> , 2003, 91, 201-208.	4.8	21
58	The Encapsulation of Bleomycin Within Chitosan Based Polymeric Vesicles Does Not Alter its Biodistribution. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 377-382.	1.2	21
59	Tumour-targeted drug and gene delivery: principles and concepts. <i>Expert Reviews in Molecular Medicine</i> , 2004, 6, 1-17.	1.6	20
60	Hydration forces as a tool for the optimization of core-shell nanoparticle vectors for cancer gene therapy. <i>Soft Matter</i> , 2012, 8, 12080.	1.2	19
61	A polymeric aqueous tacrolimus formulation for topical ocular delivery. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120364.	2.6	19
62	Fundamentals of Pharmaceutical Nanoscience. , 2013, , .		16
63	In vitro evaluation of cancer-specific NF-Î²B-CEA enhancer-promoter system for 5-fluorouracil prodrug gene therapy in colon cancer cell lines. <i>British Journal of Cancer</i> , 2007, 97, 745-754.	2.9	15
64	Limiting the level of tertiary amines on polyamines leads to biocompatible nucleic acid vectors. <i>International Journal of Pharmaceutics</i> , 2017, 526, 106-124.	2.6	15
65	Nanomedicines in the treatment of brain tumors. <i>Nanomedicine</i> , 2018, 13, 579-583.	1.7	15
66	Phage derived peptides for targeting of doxorubicin conjugates to solid tumours. <i>Journal of Controlled Release</i> , 2001, 74, 357-362.	4.8	13
67	Highly Hydrophilic Fused Aggregates (Microsponges) from a C12 Spermine Bolaamphiphile. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8129-8135.	1.2	13
68	Cancer and the blood-brain barrier: "Trojan horses" for courses?. <i>British Journal of Pharmacology</i> , 2008, 155, 149-151.	2.7	12
69	Drug Delivery Across the Blood-Brain Barrier. , 2011, , 657-667.		12
70	The Oral and Intranasal Delivery of Propofol Using Chitosan Amphiphile Nanoparticles. <i>Pharmaceutical Nanotechnology</i> , 2014, 2, 65-74.	0.6	11
71	Direct in vivo evidence on the mechanism by which nanoparticles facilitate the absorption of a water insoluble, P-gp substrate. <i>International Journal of Pharmaceutics</i> , 2016, 514, 121-132.	2.6	11
72	Polymeric Micelles for the Enhanced Deposition of Hydrophobic Drugs into Ocular Tissues, without Plasma Exposure. <i>Pharmaceutics</i> , 2021, 13, 744.	2.0	11

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73	Optimisation of Synthetic Vector Systems for Cancer Gene Therapy – The Role of the Excess of Cationic Dendrimer Under Physiological Conditions. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1172-1181.	1.0	11
74	Increased Efficacy of Oral Fixed-Dose Combination of Amphotericin B and AHCC® Natural Adjuvant against Aspergillosis. <i>Pharmaceutics</i> , 2019, 11, 456.	2.0	9
75	Hyaluronidase Coated Molecular Envelope Technology Nanoparticles Enhance Drug Absorption via the Subcutaneous Route. <i>Molecular Pharmaceutics</i> , 2020, 17, 2599-2611.	2.3	9
76	Amphotericin B Polymer Nanoparticles Show Efficacy against Candida Species Biofilms. <i>Pathogens</i> , 2022, 11, 73.	1.2	9
77	Topotecan in combination with carboplatin: phase I trial evaluation of two treatment schedules. <i>Annals of Oncology</i> , 2002, 13, 399-402.	0.6	8
78	High throughput discovery of heteroaromatic-modifying enzymes allows enhancement of novobiocin selectivity. <i>Chemical Communications</i> , 2011, 47, 10569.	2.2	8
79	Dextran-pegylated microparticles for enhanced cellular uptake of hydrophobic drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 540-548.	2.0	7
80	Tissue-Engineering the Fibrous Pancreatic Tumour Stroma Capsule in 3D Tumouroids to Demonstrate Paclitaxel Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4289.	1.8	7
81	Down-regulation of GP130 signaling sensitizes bladder cancer to cisplatin by impairing Ku70 DNA repair signaling and promoting apoptosis. <i>Cellular Signalling</i> , 2021, 81, 109931.	1.7	7
82	Achieving highly efficient gene transfer to the bladder by increasing the molecular weight of polymer-based nanoparticles. <i>Journal of Controlled Release</i> , 2021, 332, 210-224.	4.8	6
83	The topical ocular delivery of rapamycin to posterior eye tissues and the suppression of retinal inflammatory disease. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121755.	2.6	6
84	High-resolution 3D isotropic MR imaging of mouse flank tumours obtained in vivo with solenoid RF micro-coil. <i>Physics in Medicine and Biology</i> , 2008, 53, 505-513.	1.6	5
85	Unusual Enthalpy Driven Self Assembly at Room Temperature with Chitosan Amphiphiles. <i>Pharmaceutical Nanotechnology</i> , 2019, 7, 57-71.	0.6	5
86	Chapter 7.1. Nanostructures Overcoming the Blood-Brain Barrier: Physiological Considerations and Mechanistic Issues. <i>RSC Drug Discovery Series</i> , 2012, , 329-363.	0.2	5
87	Abstract 1129: GC-t8-linked pyrrolbenzodiazepine (PBD)-biaryl conjugates with femptomolar <i>in vitro</i> cytotoxicity and <i>in vivo</i> antitumour activity in mouse models of pancreatic and breast cancer.. <i>Cancer Research</i> , 2013, 73, 1129-1129.	0.4	5
88	Polyamine Aza-Cyclic Compounds Demonstrate Anti-Proliferative Activity In Vitro But Fail to Control Tumour Growth In Vivo. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4642-4657.	1.6	4
89	Facile aqueous, room temperature preparation of high transverse relaxivity clustered iron oxide nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 165-171.	2.3	4
90	Biological Barriers: Transdermal, Oral, Mucosal, Blood Brain Barrier, and the Blood Eye Barrier. , 2013, , 301-336.		4

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91	Nanoparticles in Medical Imaging. , 2013, , 543-566.		4
92	Gene Targeting to the Cerebral Cortex Following Intranasal Administration of Polyplexes. Pharmaceutics, 2022, 14, 1136.	2.0	4
93	Vesicles Prepared from Synthetic Amphiphiles – Polymeric Vesicles and Niosomes. , 2006, , 95-123.		3
94	Polymer Hydrophobicity Has a Positive Effect on the Oral Absorption of Cyclosporine A from Poly(ethylenimine) Based Nanomedicines. Pharmaceutical Nanotechnology, 2012, 1, 15-25.	0.6	3
95	Functional characterization of heat shock protein 90 targeted compounds. Analytical Biochemistry, 2013, 438, 107-109.	1.1	3
96	RAPID AND SENSITIVE LIQUID CHROMATOGRAPHIC METHOD FOR DETERMINATION OF ETOPOSIDE IN PLASMA AND BIOLOGICAL SAMPLES. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 2796-2813.	0.5	3
97	Star Shaped Poly(ethylene glycols) Yield Biocompatible Gene Delivery Systems. Pharmaceutical Nanotechnology, 2015, 2, 182-195.	0.6	3
98	Particulate levodopa nose-to-brain delivery targets dopamine to the brain with no plasma exposure. International Journal of Pharmaceutics, 2022, 618, 121658.	2.6	3
99	A Self-Assembling Lipidic Peptide and Selective Partial V2 Receptor Agonist Inhibits Urine Production. Scientific Reports, 2020, 10, 7269.	1.6	2
100	T-shaped Peptide Amphiphiles Self Assemble into Nanofiber Networks. Pharmaceutical Nanotechnology, 2018, 5, 215-219.	0.6	2
101	Polymers and Dendrimers for Gene Delivery in Gene Therapy. , 2008, , .		2
102	Tumour gene expression from C12 spermine amphiphile gene delivery systems. Journal of Drug Targeting, 2005, 13, 345-357.	2.1	1
103	Detecting polymeric nanoparticles with coherent anti-stokes Raman scattering microscopy in tissues exhibiting fixative-induced autofluorescence. Proceedings of SPIE, 2015, , .	0.8	1
104	Development of Bio-Functionalized, Raman Responsive, and Potentially Excretable Gold Nanoclusters. Nanomaterials, 2021, 11, 2181.	1.9	1
105	Abstract 5527: Oral administration of a nano-enabled form of Met-Enkephalin peptide controls pancreatic cancer growth. Cancer Research, 2015, 75, 5527-5527.	0.4	1
106	Polymer Based Gene Silencing: In Vitro Delivery of SiRNA. Methods in Molecular Biology, 2016, 1445, 149-157.	0.4	0
107	Abstract 739: Targeting pancreatic cancers with a quadruplex-binding small molecule. , 2010, , .		0
108	Abstract 2517: Hybrid benzofused-biaryl polyamides with selective telomeric G-quadruplex stabilization potential. , 2011, , .		0

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109	Nanomedicines from Polymeric Amphiphiles. , 2011, , 495-514.		0
110	Abstract 1780:Synthesis and antitumor activity of proximicins A, B and C. , 2012, , .		0
111	Abstract 4799: Identification of drug resistance targets in ovarian cancer using a proteomic approach. , 2012, , .		0
112	Gene and Ribonucleic Acid Therapy. , 2013, , 493-510.		0
113	Abstract 4519: Lomustine nanoparticles are effective brain cancer treatments.. , 2013, , .		0
114	Chapter 7.3. Drug Delivery Strategies: Nanostructures for Improved Brain Delivery. RSC Drug Discovery Series, 2012, , 392-432.	0.2	0
115	Abstract 5530: Chitosan amphiphile nanoparticles reduced the myelosuppressive effects of lomustine. , 2015, , .		0