Andreas SchÃ¤tzlein

List of Publications by Year
in descending order

115 papers	7,101 citations	66343 42 h-index	58581 82 g-index
120 all docs	120 docs citations	120 times ranked	7902 citing authors

#	Article	IF	Citations
1	Dendrimers in gene delivery. Advanced Drug Delivery Reviews, 2005, 57, 2177-2202.	13.7	929
2	Ultraflexible vesicles, Transfersomes, have an extremely low pore penetration resistance and transport therapeutic amounts of insulin across the intact mammalian skin. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1368, 201-215.	2.6	387
3	Gene delivery with synthetic (non viral) carriers. International Journal of Pharmaceutics, 2001, 229, 1-21.	5.2	350
4	The lower-generation polypropylenimine dendrimers are effective gene-transfer agents. Pharmaceutical Research, 2002, 19, 960-967.	3.5	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. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1564, 21-30.	2.6	277
6	Phase II studies of polymer-doxorubicin (PK1, FCE28068) in the treatment of breast, lung and colorectal cancer. International Journal of Oncology, 2009, 34, 1629-36.	3.3	251
7	Phase I and Pharmacodynamic Trial of the DNA Methyltransferase Inhibitor Decitabine and Carboplatin in Solid Tumors. Journal of Clinical Oncology, 2007, 25, 4603-4609.	1.6	224
8	Transdermal drug carriers: Basic properties, optimization and transfer efficiency in the case of epicutaneously applied peptides. Journal of Controlled Release, 1995, 36, 3-16.	9.9	221
9	The skin: a pathway for systemic treatment with patches and lipid-based agent carriers. Advanced Drug Delivery Reviews, 1996, 18, 349-378.	13.7	198
10	Non-viral vectors in cancer gene therapy: principles and progress. Anti-Cancer Drugs, 2001, 12, 275-304.	1.4	176
11	Transfersomes-mediated transepidermal delivery improves the regio-specificity and biological activity of corticosteroids in vivo1Dedicated to the late Dr. Henri Ernest Bodde.1. Journal of Controlled Release, 1997, 45, 211-226.	9.9	152
12	Tumour vasculature as a target for anticancer therapy. Cancer Treatment Reviews, 2000, 26, 191-204.	7.7	147
13	Nose-to-Brain Delivery. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 593-601.	2.5	141
14	Amphiphilic poly(l-amino acids) â€" New materials for drug delivery. Journal of Controlled Release, 2012, 161, 523-536.	9.9	138
15	Preliminary Characterization of Novel Amino Acid Based Polymeric Vesicles as Gene and Drug Delivery Agents. Bioconjugate Chemistry, 2000, 11, 880-891.	3.6	136
16	Synthetic Anticancer Gene Medicine Exploits Intrinsic Antitumor Activity of Cationic Vector to Cure Established Tumors. Cancer Research, 2005, 65, 8079-8084.	0.9	136
17	Strategies To Deliver Peptide Drugs to the Brain. Molecular Pharmaceutics, 2014, 11, 1081-1093.	4.6	133
18	Preferential liver gene expression with polypropylenimine dendrimers. Journal of Controlled Release, 2005, 101, 247-258.	9.9	130

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19	PEI-based vesicle-polymer hybrid gene delivery system with improved biocompatibility. International Journal of Pharmaceutics, 2004, 274, 41-52.	5.2	118
20	Carbohydrate-Based Micelle Clusters Which Enhance Hydrophobic Drug Bioavailability by Up to 1 Order of Magnitude. Biomacromolecules, 2006, 7, 3452-3459.	5.4	115
21	Polymeric Chitosan-based Vesicles for Drug Delivery. Journal of Pharmacy and Pharmacology, 2011, 50, 453-458.	2.4	113
22	Niosomes and polymeric chitosan based vesicles bearing transferrin and glucose ligands for drug targeting. Pharmaceutical Research, 2000, 17, 1250-1258.	3.5	99
23	Anticancer Drug Delivery with Transferrin Targeted Polymeric Chitosan Vesicles. Pharmaceutical Research, 2004, 21, 101-107.	3.5	99
24	Enhanced Oral Absorption of Hydrophobic and Hydrophilic Drugs Using Quaternary Ammonium Palmitoyl Glycol Chitosan Nanoparticles. Molecular Pharmaceutics, 2012, 9, 14-28.	4.6	97
25	Oral Particle Uptake and Organ Targeting Drives the Activity of Amphotericin B Nanoparticles. Molecular Pharmaceutics, 2015, 12, 420-431.	4.6	91
26	Glucose-targeted niosomes deliver vasoactive intestinal peptide (VIP) to the brain. International Journal of Pharmaceutics, 2004, 285, 77-85.	5.2	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. Pharmaceutical Research, 2004, 21, 458-466.	3.5	81
28	Delivery of Peptides to the Blood and Brain after Oral Uptake of Quaternary Ammonium Palmitoyl Glycol Chitosan Nanoparticles. Molecular Pharmaceutics, 2012, 9, 1764-1774.	4.6	77
29	Nanofiber-Based Delivery of Therapeutic Peptides to the Brain. ACS Nano, 2013, 7, 1016-1026.	14.6	77
30	Cancer-Specific Transgene Expression Mediated by Systemic Injection of Nanoparticles. Cancer Research, 2009, 69, 2655-2662.	0.9	74
31	In vitro and in vivo gene transfer with poly(amino acid) vesicles. Journal of Controlled Release, 2003, 93, 193-211.	9.9	69
32	Overcoming Semipermeable Barriers, Such as the Skin, with Ultradeformable Mixed Lipid Vesicles, Transfersomes, Liposomes, or Mixed Lipid Micelles. Langmuir, 2003, 19, 10753-10763.	3.5	68
33	A p53-derived apoptotic peptide derepresses p73 to cause tumor regression in vivo. Journal of Clinical Investigation, 2007, 117, 1008-1018.	8.2	65
34	Targeting of Synthetic Gene Delivery Systems. Journal of Biomedicine and Biotechnology, 2003, 2003, 149-158.	3.0	64
35	A Prodrug Nanoparticle Approach for the Oral Delivery of a Hydrophilic Peptide, Leucine⁵-enkephalin, to the Brain. Molecular Pharmaceutics, 2012, 9, 1665-1680.	4.6	64
36	Exploring uptake mechanisms of oral nanomedicines using multimodal nonlinear optical microscopy. Journal of Biophotonics, 2012, 5, 458-468.	2.3	62

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37	<i>In silico</i> modelling of drugâ€“polymer interactions for pharmaceutical formulations. Journal of the Royal Society Interface, 2010, 7, S423-33.	3.4	61
38	Polyelectrolyte Nanoparticles with High Drug Loading Enhance the Oral Uptake of Hydrophobic Compounds. Biomacromolecules, 2006, 7, 1509-1520.	5.4	60
39	Targeting pancreatic cancer with a G-quadruplex ligand. Bioorganic and Medicinal Chemistry, 2011, 19, 7151-7157.	3.0	58
40	Nanoparticulate peptide delivery exclusively to the brain produces tolerance free analgesia. Journal of Controlled Release, 2018, 270, 135-144.	9.9	51
41	GC-Targeted C8-Linked Pyrrolobenzodiazepineâ€“Biaryl Conjugates with Femtomolar in Vitro Cytotoxicity and in Vivo Antitumor Activity in Mouse Models. Journal of Medicinal Chemistry, 2013, 56, 2911-2935.	6.4	50
42	Labelâ€free imaging of polymeric nanomedicines using coherent antiâ€stokes Raman scattering microscopy. Journal of Raman Spectroscopy, 2012, 43, 681-688.	2.5	42
43	Gene Transfer with Three Amphiphilic Glycol Chitosansâ€”the Degree of Polymerisation is the Main Controller of Transfection Efficiency. Journal of Drug Targeting, 2004, 12, 527-539.	4.4	40
44	Solid-phase synthesis of c(RGDfK) derivatives: on-resin cyclisation and lysine functionalisation. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 547-549.	2.2	39
45	Delivering cancer stem cell therapies â€“ A role for nanomedicines?. European Journal of Cancer, 2006, 42, 1309-1315.	2.8	39
46	Inhibition of the hypoxia-inducible factor pathway by a G-quadruplex binding small molecule. Scientific Reports, 2013, 3, 2799.	3.3	35
47	Imaging cortical vasculature with stimulated Raman scattering and twoâ€photon photothermal lensing microscopy. Journal of Raman Spectroscopy, 2012, 43, 668-674.	2.5	33
48	Chitosan amphiphile coating of peptide nanofibres reduces liver uptake and delivers the peptide to the brain on intravenous administration. Journal of Controlled Release, 2015, 197, 87-96.	9.9	31
49	SARS-CoV-2 inhibition using a mucoadhesive, amphiphilic chitosan that may serve as an anti-viral nasal spray. Scientific Reports, 2021, 11, 20012.	3.3	31
50	Physical Characterisation and Long-Term Stability Studies on Quaternary Ammonium Palmitoyl Glycol Chitosan (GCPQ)â€”A New Drug Delivery Polymer. Journal of Pharmaceutical Sciences, 2014, 103, 2296-2306.	3.3	29
51	Lomustine Nanoparticles Enable Both Bone Marrow Sparing and High Brain Drug Levels â€“ A Strategy for Brain Cancer Treatments. Pharmaceutical Research, 2016, 33, 1289-1303.	3.5	29
52	Polyhedral Non-ionic Surfactant Vesicles. Journal of Pharmacy and Pharmacology, 2011, 49, 606-610.	2.4	27
53	Efficient synthesis and biological evaluation of proximicins A, B and C. Bioorganic and Medicinal Chemistry, 2012, 20, 2019-2024.	3.0	26
54	A nano-enabled cancer-specific ITCH RNAi chemotherapy booster for pancreatic cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 369-377.	3.3	25

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55	Clustering superparamagnetic iron oxide nanoparticles produces organ-targeted high-contrast magnetic resonance images. Nanomedicine, 2019, 14, 1135-1152.	3.3	25
56	Chitosan amphiphiles provide new drug delivery opportunities. Polymer International, 2014, 63, 1145-1153.	3.1	23
57	Quantification of Î²-galactosidase activity after non-viral transfection in vivo. Journal of Controlled Release, 2003, 91, 201-208.	9.9	21
58	The Encapsulation of Bleomycin Within Chitosan Based Polymeric Vesicles Does Not Alter its Biodistribution. Journal of Pharmacy and Pharmacology, 2010, 52, 377-382.	2.4	21
59	Tumour-targeted drug and gene delivery: principles and concepts. Expert Reviews in Molecular Medicine, 2004, 6, 1-17.	3.9	20
60	Hydration forces as a tool for the optimization of coreâ€"shell nanoparticle vectors for cancer gene therapy. Soft Matter, 2012, 8, 12080.	2.7	19
61	A polymeric aqueous tacrolimus formulation for topical ocular delivery. International Journal of Pharmaceutics, 2021, 599, 120364.	5.2	19
62	Fundamentals of Pharmaceutical Nanoscience. , 2013, , .		16
63	In vitro evaluation of cancer-specific NF-ÎºB-CEA enhancerâ€"promoter system for 5-fluorouracil prodrug gene therapy in colon cancer cell lines. British Journal of Cancer, 2007, 97, 745-754.	6.4	15
64	Limiting the level of tertiary amines on polyamines leads to biocompatible nucleic acid vectors. International Journal of Pharmaceutics, 2017, 526, 106-124.	5.2	15
65	Nanomedicines in the treatment of brain tumors. Nanomedicine, 2018, 13, 579-583.	3.3	15
66	Phage derived peptides for targeting of doxorubicin conjugates to solid tumours. Journal of Controlled Release, 2001, 74, 357-362.	9.9	13
67	Highly Hydrophilic Fused Aggregates (Microsponges) from a C12 Spermine Bolaamphiphile. Journal of Physical Chemistry B, 2004, 108, 8129-8135.	2.6	13
68	Cancer and the bloodâ€"brain barrier: â€˜Trojan horsesâ€™ for courses?. British Journal of Pharmacology, 2008, 155, 149-151.	5.4	12
69	Drug Delivery Across the Bloodâ€"Brain Barrier. , 2011, , 657-667.		12
70	The Oral and Intranasal Delivery of Propofol Using Chitosan Amphiphile Nanoparticles. Pharmaceutical Nanotechnology, 2014, 2, 65-74.	1.5	11
71	Direct in vivo evidence on the mechanism by which nanoparticles facilitate the absorption of a water insoluble, P-gp substrate. International Journal of Pharmaceutics, 2016, 514, 121-132.	5.2	11
72	Polymeric Micelles for the Enhanced Deposition of Hydrophobic Drugs into Ocular Tissues, without Plasma Exposure. Pharmaceutics, 2021, 13, 744.	4.5	11

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73	Optimisation of Synthetic Vector Systems for Cancer Gene Therapy â€“ The Role of the Excess of Cationic Dendrimer Under Physiological Conditions. Current Topics in Medicinal Chemistry, 2014, 14, 1172-1181.	2.1	11
74	Increased Efficacy of Oral Fixed-Dose Combination of Amphotericin B and AHCCÂ® Natural Adjuvant against Aspergillosis. Pharmaceutics, 2019, 11, 456.	4.5	9
75	Hyaluronidase Coated Molecular Envelope Technology Nanoparticles Enhance Drug Absorption via the Subcutaneous Route. Molecular Pharmaceutics, 2020, 17, 2599-2611.	4.6	9
76	Amphotericin B Polymer Nanoparticles Show Efficacy against Candida Species Biofilms. Pathogens, 2022, 11, 73.	2.8	9
77	Topotecan in combination with carboplatin: phase I trial evaluation of two treatment schedules. Annals of Oncology, 2002, 13, 399-402.	1.2	8
78	High throughput discovery of heteroaromatic-modifying enzymes allows enhancement of novobiocin selectivity. Chemical Communications, 2011, 47, 10569.	4.1	8
79	Dextran-pegylated microparticles for enhanced cellular uptake of hydrophobic drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 540-548.	4.3	7
80	Tissue-Engineering the Fibrous Pancreatic Tumour Stroma Capsule in 3D Tumouroids to Demonstrate Paclitaxel Response. International Journal of Molecular Sciences, 2021, 22, 4289.	4.1	7
81	Down-regulation of GP130 signaling sensitizes bladder cancer to cisplatin by impairing Ku70 DNA repair signaling and promoting apoptosis. Cellular Signalling, 2021, 81, 109931.	3.6	7
82	Achieving highly efficient gene transfer to the bladder by increasing the molecular weight of polymer-based nanoparticles. Journal of Controlled Release, 2021, 332, 210-224.	9.9	6
83	The topical ocular delivery of rapamycin to posterior eye tissues and the suppression of retinal inflammatory disease. International Journal of Pharmaceutics, 2022, 621, 121755.	5.2	6
84	High-resolution 3D isotropic MR imaging of mouse flank tumours obtainedin vivowith solenoid RF micro-coil. Physics in Medicine and Biology, 2008, 53, 505-513.	3.0	5
85	Unusual Enthalpy Driven Self Assembly at Room Temperature with Chitosan Amphiphiles. Pharmaceutical Nanotechnology, 2019, 7, 57-71.	1.5	5
86	Chapter 7.1. Nanostructures Overcoming the Blood-Brain Barrier: Physiological Considerations and Mechanistic Issues. RSC Drug Discovery Series, 2012, , 329-363.	0.3	5
87	Abstract 1129: GC-t8-linked pyrrolobenzodiazepine (PBD)-biaryl conjugates with femptomolar i<i>n vitro</i> cytotoxicity and <i>in vivo</i> antitumour activity in mouse models of pancreatic and breast cancer.. Cancer Research, 2013, 73, 1129-1129.	0.9	5
88	Polyamine Aza-Cyclic Compounds Demonstrate Anti-Proliferative Activity In Vitro But Fail to Control Tumour Growth In Vivo. Journal of Pharmaceutical Sciences, 2010, 99, 4642-4657.	3.3	4
89	Facile aqueous, room temperature preparation of high transverse relaxivity clustered iron oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 165-171.	4.7	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.	4.5	4
93	Vesicles Prepared from Synthetic Amphiphiles â€" 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.	1.5	3
95	Functional characterization of heat shock protein 90 targeted compounds. Analytical Biochemistry, 2013, 438, 107-109.	2.4	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.	1.0	3
97	Star Shaped Poly(ethylene glycols) Yield Biocompatible Gene Delivery Systems. Pharmaceutical Nanotechnology, 2015, 2, 182-195.	1.5	3
98	Particulate levodopa nose-to-brain delivery targets dopamine to the brain with no plasma exposure. International Journal of Pharmaceutics, 2022, 618, 121658.	5.2	3
99	A Self-Assembling Lipidic Peptide and Selective Partial V2 Receptor Agonist Inhibits Urine Production. Scientific Reports, 2020, 10, 7269.	3.3	2
100	T-shaped Peptide Amphiphiles Self Assemble into Nanofiber Networks. Pharmaceutical Nanotechnology, 2018, 5, 215-219.	1.5	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.	4.4	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.	4.1	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.	0.9	1
106	Polymer Based Gene Silencing: In Vitro Delivery of SiRNA. Methods in Molecular Biology, 2016, 1445, 149-157.	0.9	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.	0.3	0
115	Abstract 5530: Chitosan amphiphile nanoparticles reduced the myelosuppressive effects of lomustine. , 2015, , .		0