

# Jens Schaefer

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

2,793  
citations

201674

27  
h-index

189892

50  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodynamic and antiangiogenic activities of parietin liposomes in triple negative breast cancer. <i>Materials Science and Engineering C</i> , 2022, 134, 112543.	7.3	13
2	Parietin Cyclodextrin-Inclusion Complex as an Effective Formulation for Bacterial Photoinactivation. <i>Pharmaceutics</i> , 2022, 14, 357.	4.5	14
3	PEGylated Chitosan Nanoparticles Encapsulating Ascorbic Acid and Oxaliplatin Exhibit Dramatic Apoptotic Effects against Breast Cancer Cells. <i>Pharmaceutics</i> , 2022, 14, 407.	4.5	30
4	Investigating 3R In Vivo Approaches for Bioâ€Distribution and Efficacy Evaluation of Nucleic Acid Nanocarriers: Studies on Peptideâ€Mimicking Ionizable Lipid. <i>Small</i> , 2022, , 2107768.	10.0	1
5	Thermoresponsive Liposomes for Photo-Triggered Release of Hypericin Cyclodextrin Inclusion Complex for Efficient Antimicrobial Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 31525-31540.	8.0	15
6	Co-delivery of carbonic anhydrase IX inhibitor and doxorubicin as a promising approach to address hypoxia-induced chemoresistance. <i>Drug Delivery</i> , 2022, 29, 2072-2085.	5.7	1
7	ADAM 8 as a novel target for doxorubicin delivery to TNBC cells using magnetic thermosensitive liposomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 158, 390-400.	4.3	21
8	Lipoparticles for Synergistic Chemo-Photodynamic Therapy to Ovarian Carcinoma Cells: In vitro and in vivo Assessments. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 951-976.	6.7	19
9	The chorioallantoic membrane as a bio-barrier model for the evaluation of nanoscale drug delivery systems for tumour therapy. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 317-336.	13.7	17
10	Enhanced efficacy and drug delivery with lipid coated mesoporous silica nanoparticles in cancer therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 165, 31-40.	4.3	41
11	Improvement of Pulmonary Photodynamic Therapy: Nebulisation of Curcumin-Loaded Tetraether Liposomes. <i>Pharmaceutics</i> , 2021, 13, 1243.	4.5	16
12	Ultrasound-Responsive Smart Drug Delivery System of Lipid Coated Mesoporous Silica Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 1396.	4.5	17
13	Chitosan-Coated PLGA Nanoparticles Loaded with Peganum harmala Alkaloids with Promising Antibacterial and Wound Healing Activities. <i>Nanomaterials</i> , 2021, 11, 2438.	4.1	32
14	Surface tailored zein as a novel delivery system for hypericin: Application in photodynamic therapy. <i>Materials Science and Engineering C</i> , 2021, 129, 112420.	7.3	15
15	Thermosensitive liposomes encapsulating hypericin: Characterization and photodynamic efficiency. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121195.	5.2	18
16	<i>In Ovo</i> Testing Method for Inhalants on a Chorio-Allantoic Membrane. <i>ACS Applied Bio Materials</i> , 2021, 4, 7764-7768.	4.6	7
17	Comparison of Tanaka lipid mixture with natural surfactant Alveofact to study nanoparticle interactions on Langmuir film balance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110750.	5.0	7
18	A triple chain polycationic peptide-mimicking amphiphile â€ efficient DNA-transfer without co-lipids. <i>Biomaterials Science</i> , 2020, 8, 232-249.	5.4	3

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19	Targeted ErbB3 cancer therapy: A synergistic approach to effectively combat cancer. International Journal of Pharmaceutics, 2020, 575, 118961.	5.2	7
20	Photodynamic inactivation of circulating tumor cells: An innovative approach against metastatic cancer. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 157, 38-46.	4.3	11
21	Sensitivity of Papilloma Virus-Associated Cell Lines to Photodynamic Therapy with Curcumin-Loaded Liposomes. Cancers, 2020, 12, 3278.	3.7	25
22	Potent Cytotoxicity of Four Cameroonian Plant Extracts on Different Cancer Cell Lines. Pharmaceutics, 2020, 13, 357.	3.8	21
23	Downregulation of MDR 1 gene contributes to tyrosine kinase inhibitor induce apoptosis and reduction in tumor metastasis: A gravity to space investigation. International Journal of Pharmaceutics, 2020, 591, 119993.	5.2	14
24	Development and Characterization of Ultrasound Activated Lipopolyplexes for Enhanced Transfection by Low Frequency Ultrasound in In Vitro Tumor Model. Macromolecular Bioscience, 2020, 20, e2000173.	4.1	5
25	Lipodendriplexes mediated enhanced gene delivery: a cellular to pre-clinical investigation. Scientific Reports, 2020, 10, 21446.	3.3	18
26	Biocompatible indocyanine green loaded PLA nanofibers for in situ antimicrobial photodynamic therapy. Materials Science and Engineering C, 2020, 115, 111068.	7.3	25
27	Wavelength dependent photo-cytotoxicity to ovarian carcinoma cells using temoporfin loaded tetraether liposomes as efficient drug delivery system. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 150, 50-65.	4.3	24
28	Spray dried curcumin loaded nanoparticles for antimicrobial photodynamic therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 531-539.	4.3	35
29	The Use of Artificial Gel Forming Bolalipids as Novel Formulations in Antimicrobial and Antifungal Therapy. Pharmaceutics, 2019, 11, 307.	4.5	15
30	Selective anti-ErbB3 aptamer modified sorafenib microparticles: In vitro and in vivo toxicity assessment. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 145, 42-53.	4.3	14
31	Hypericin inclusion complexes encapsulated in liposomes for antimicrobial photodynamic therapy. International Journal of Pharmaceutics, 2019, 570, 118666.	5.2	36
32	In situ intravenous photodynamic therapy for the systemic eradication of blood stream infections. Photochemical and Photobiological Sciences, 2019, 18, 304-308.	2.9	13
33	Photodynamic therapy " hypericin tetraether liposome conjugates and their antitumor and antiangiogenic activity. Drug Delivery, 2019, 26, 23-33.	5.7	70
34	Photodynamic Therapy of Ovarian Carcinoma Cells with Curcumin-Loaded Biodegradable Polymeric Nanoparticles. Pharmaceutics, 2019, 11, 282.	4.5	72
35	Curcumin loaded nanoparticles as efficient photoactive formulations against gram-positive and gram-negative bacteria. Colloids and Surfaces B: Biointerfaces, 2019, 178, 460-468.	5.0	66
36	Glycosylated Artificial Virus-Like Hybrid Vectors for Advanced Gene Delivery. Polymers, 2019, 11, 243.	4.5	8

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37	Nano spray dried antibacterial coatings for dental implants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 59-67.	4.3	31
38	Development of inhalable curcumin loaded Nano-in-Microparticles for bronchoscopic photodynamic therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 132, 63-71.	4.0	30
39	Lipodendriplexes: A promising nanocarrier for enhanced gene delivery with minimal cytotoxicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 135, 72-82.	4.3	29
40	Overcoming the polycation dilemma – Explorative studies to characterise the efficiency and biocompatibility of newly designed lipofection reagents. <i>International Journal of Pharmaceutics</i> , 2018, 541, 81-92.	5.2	11
41	Hypericin Loaded Liposomes for Anti-Microbial Photodynamic Therapy of Gram-Positive Bacteria. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700837.	1.8	23
42	Multilayer Bacteriostatic Coating for Surface Modified Titanium Implants. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700844.	1.8	11
43	Nanoparticles and Liposomes for the Surface Modification of Implants: A Comparative Study of Spraying and Dipping Techniques. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700847.	1.8	5
44	Low level LED photodynamic therapy using curcumin loaded tetraether liposomes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 126, 233-241.	4.3	63
45	Lipid coated chitosan-DNA nanoparticles for enhanced gene delivery. <i>International Journal of Pharmaceutics</i> , 2018, 535, 473-479.	5.2	92
46	Preparation and Characterization of Curcumin Loaded Chitosan Nanoparticles for Photodynamic Therapy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700709.	1.8	35
47	Indocyanine Green Loaded PLGA Film Coated Coronary Stents for Photo-Triggered in situ Biofilm Eradication. <i>Colloids and Interface Science Communications</i> , 2018, 27, 35-39.	4.1	10
48	Nano spray drying: A novel technique to prepare well-defined surface coatings for medical implants. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 48, 145-151.	3.0	14
49	Immobilization and characterization of PLGA nanoparticles on polyethylene terephthalate cardiovascular grafts for local drug therapy of associated graft complications. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 144-150.	3.0	8
50	Resuspendable Powders of Lyophilized Chalcogen Particles with Activity against Microorganisms. <i>Antioxidants</i> , 2018, 7, 23.	5.1	17
51	Stabilized tetraether lipids based particles guided porphyrins photodynamic therapy. <i>Drug Delivery</i> , 2018, 25, 1526-1536.	5.7	14
52	Composite liposome-PEI/nucleic acid lipopolyplexes for safe and efficient gene delivery and gene knockdown. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 93-101.	5.0	78
53	Antibacterial and anti-encrustation biodegradable polymer coating for urinary catheter. <i>International Journal of Pharmaceutics</i> , 2017, 531, 205-214.	5.2	58
54	Development of expanded polytetrafluoroethylene cardiovascular graft platform based on immobilization of poly lactic- co -glycolic acid nanoparticles using a wet chemical modification technique. <i>International Journal of Pharmaceutics</i> , 2017, 529, 238-244.	5.2	22

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55	Liposome-polyethylenimine complexes (DPPC-PEI lipopolyplexes) for therapeutic siRNA delivery in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 209-218.	3.3	55
56	Transfection Studies with Colloidal Systems Containing Highly Purified Bipolar Tetraether Lipids from <i>Sulfolobus acidocaldarius</i> . <i>Archaea</i> , 2017, 2017, 1-12.	2.3	21
57	Photo-responsive tetraether lipids based vesicles for porphyrin mediated vascular targeting and direct phototherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 720-728.	5.0	18
58	Degradation and protection of DNazymes on human skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 80-87.	4.3	8
59	Covalent immobilization of lysozyme onto woven and knitted crimped polyethylene terephthalate grafts to minimize the adhesion of broad spectrum pathogens. <i>Materials Science and Engineering C</i> , 2016, 58, 78-87.	7.3	29
60	Hydrophilic Ionic Liquids as Ingredients of Gel-Based Dermal Formulations. <i>AAPS PharmSciTech</i> , 2016, 17, 923-931.	3.3	21
61	Bipolar tetraether lipids derived from thermoacidophilic archaeon <i>Sulfolobus acidocaldarius</i> for membrane stabilization of chlorin e6 based liposomes for photodynamic therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 88-98.	4.3	53
62	Investigation of Binary Lipid Mixtures of a Three-Chain Cationic Lipid with Phospholipids Suitable for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2015, 26, 2461-2473.	3.6	14
63	Storage stability of optimal liposome-polyethylenimine complexes (lipopolyplexes) for DNA or siRNA delivery. <i>Acta Biomaterialia</i> , 2014, 10, 2663-2673.	8.3	65
64	Correlation of structure and echogenicity of nanoscaled ultrasound contrast agents in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 206-215.	5.0	15
65	A chorioallantoic membrane model for the determination of anti-angiogenic effects of imatinib. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 711-715.	4.3	19
66	Nanostructured medical device coatings based on self-assembled poly(lactic-co-glycolic acid) nanoparticles. <i>Materials Science and Engineering C</i> , 2013, 33, 3018-3024.	7.3	7
67	The chorioallantoic membrane assay is a promising ex vivo model system for the study of vascular anomalies. <i>In Vivo</i> , 2013, 27, 701-5.	1.3	5
68	Atomic Force Microscopy and Analytical Ultracentrifugation for Probing Nanomaterial Protein Interactions. <i>ACS Nano</i> , 2012, 6, 4603-4614.	14.6	69
69	Lipid coated chitosan microparticles as protein carriers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1978-1984.	0.8	3
70	Liposome-polyethylenimine complexes for enhanced DNA and siRNA delivery. <i>Biomaterials</i> , 2010, 31, 6892-6900.	11.4	183
71	Utilising atomic force microscopy for the characterisation of nanoscale drug delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 2-13.	4.3	152
72	Gene delivery using chitosan, trimethyl chitosan or polyethylenglycol-graft-trimethyl chitosan block copolymers: Establishment of structure-activity relationships in vitro. <i>Journal of Controlled Release</i> , 2008, 125, 145-154.	9.9	229

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73	A low molecular weight fraction of polyethylenimine (PEI) displays increased transfection efficiency of DNA and siRNA in fresh or lyophilized complexes. <i>Journal of Controlled Release</i> , 2006, 112, 257-270.	9.9	265
74	The Influence of Physicochemical Parameters on the Efficacy of Non-Viral DNA Transfection Complexes: A Comparative Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2776-2782.	0.9	34
75	Preparation and characterization of chitosan and trimethyl-chitosanmodified poly-( $\mu$ -caprolactone) nanoparticles as DNA carriers. <i>AAPS PharmSciTech</i> , 2005, 6, E22-E30.	3.3	53
76	Phase Behavior of Cationic Amphiphiles and Their Mixtures with Helper Lipid Influences Lipoplex Shape, DNA Translocation, and Transfection Efficiency. <i>Biophysical Journal</i> , 2002, 83, 2096-2108.	0.5	119
77	Characterization of the interactions between various hexadecylmannoside phospholipid model membranes with the lectin Concanavalin A. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4609-4614.	2.8	24
78	A New Drug Vehicle - Lipid Coated Biodegradable Nanoparticles. <i>Advances in Science and Technology</i> , 0, , .	0.2	15