

Daniel P Otto

List of Publications by Year in descending order

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36
papers

1,039
citations

567281

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h-index

414414

32
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36
all docs

36
docs citations

36
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to nanocoatings produced by layer-by-layer (LbL) self-assembly. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 701-715.	13.7	331
2	Effect of pH on the solubility and release of furosemide from polyamidoamine (PAMAM) dendrimer complexes. <i>International Journal of Pharmaceutics</i> , 2007, 345, 142-153.	5.2	117
3	Application of halloysite clay nanotubes as a pharmaceutical excipient. <i>International Journal of Pharmaceutics</i> , 2017, 521, 267-273.	5.2	94
4	Poly(amidoamine) dendrimer-mediated synthesis and stabilization of silver sulfonamide nanoparticles with increased antibacterial activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 85-93.	3.3	72
5	Poly(amidoamine) Dendrimers as a Pharmaceutical Excipient. Are We There yet?. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 75-83.	3.3	41
6	Effect of para-Sulfonato-Calix[n]arenes on the Solubility, Chemical Stability, and Bioavailability of a Water Insoluble Drug Nifedipine. <i>Current Drug Discovery Technologies</i> , 2008, 5, 129-139.	1.2	38
7	Differences in physicochemical properties to consider in the design, evaluation and choice between microparticles and nanoparticles for drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 763-777.	5.0	31
8	Preparation and characterization of directly compactible layer-by-layer nanocoated cellulose. <i>International Journal of Pharmaceutics</i> , 2011, 404, 57-65.	5.2	26
9	Experimental and mesoscale computational dynamics studies of the relationship between solubility and release of quercetin from PEG solid dispersions. <i>International Journal of Pharmaceutics</i> , 2013, 456, 282-292.	5.2	25
10	Layer-by-Layer Nanocoating of Antiviral Polysaccharides on Surfaces to Prevent Coronavirus Infections. <i>Molecules</i> , 2020, 25, 3415.	3.8	25
11	Development of microporous drug-releasing films cast from artificial nanosized latexes of poly(styrene-co-methyl methacrylate) or poly(styrene-co-ethyl methacrylate). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 1121-1134.	4.3	23
12	Self-assembled macromolecular nanocoatings to stabilize and control drug release from nanoparticles. <i>Powder Technology</i> , 2014, 256, 470-476.	4.2	18
13	Why is the nanoscale special (or not)? Fundamental properties and how it relates to the design of nano-enabled drug delivery systems. <i>Nanotechnology Reviews</i> , 2013, 2, 171-199.	5.8	17
14	The Experimental Evaluation and Molecular Dynamics Simulation of a Heat-Enhanced Transdermal Delivery System. <i>AAPS PharmSciTech</i> , 2013, 14, 111-120.	3.3	16
15	Prevention of Biofilm Formation by Methacrylate-Based Copolymer Films Loaded With Rifampin, Clarithromycin, Doxycycline Alone or in Combination. <i>Pharmaceutical Research</i> , 2015, 32, 61-73.	3.5	16
16	The Effect of Polyamidoamine Dendrimers on the <math>\text{In Vitro}&/math> Cytotoxicity of Paclitaxel in Cultured Prostate Cancer (PC-3M) Cells. <i>Journal of Biomedical Nanotechnology</i> , 2007, 3, 384-393.	1.1	16
17	(Ferrocenylpyrazolyl)zinc(II) benzoates as catalysts for the ring opening polymerization of μ -caprolactone. <i>Polyhedron</i> , 2015, 90, 154-164.	2.2	15
18	Solid State Concerns During Drug Discovery and Development: Thermodynamic and Kinetic Aspects of Crystal Polymorphism and the Special Cases of Concomitant Polymorphs, Co-Crystals and Glasses. <i>Current Drug Discovery Technologies</i> , 2017, 14, 72-105.	1.2	14

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19	What is the future of heated transdermal delivery systems?. <i>Therapeutic Delivery</i> , 2014, 5, 961-964.	2.2	13
20	(Ferrocenylpyrazolyl)zinc(II) acetate complexes as initiators and catalysts for the ring opening polymerization of μ -caprolacton.. <i>Journal of Molecular Catalysis A</i> , 2015, 406, 185-193.	4.8	11
21	Dissipative Particle Dynamics Investigation of the Transport of Salicylic Acid through a Simulated In Vitro Skin Permeation Model. <i>Pharmaceuticals</i> , 2018, 11, 134.	3.8	11
22	All-atomistic molecular dynamics (AA-MD) studies and pharmacokinetic performance of PAMAM-dendrimer-furosemide delivery systems. <i>International Journal of Pharmaceutics</i> , 2018, 547, 545-555.	5.2	10
23	Physicochemical Principles of Nanosized Drug Delivery Systems. , 2009, , 3-33.		9
24	Evaluation of Isolated Fractions of Aloe vera Gel Materials on Indinavir Pharmacokinetics: In vitro and in vivo Studies. <i>Current Drug Delivery</i> , 2016, 13, 471-480.	1.6	9
25	Application of Size Exclusion Chromatography in the Development and Characterization of Nanoparticulate Drug Delivery Systems. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2489-2514.	1.0	7
26	Effects of the cosurfactant 1-butanol and feed composition on nanoparticle properties produced by microemulsion copolymerization of styrene and methyl methacrylate. <i>Journal of Applied Polymer Science</i> , 2008, 107, 3950-3962.	2.6	7
27	Structural Assignment of Commercial Polyisobutylene Succinic Anhydride-based Surfactants. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 193-205.	2.1	5
28	Coarse-Grained Molecular Dynamics (CG-MD) Simulation of the Encapsulation of Dexamethasone in PSS/PDDA Layer-by-Layer Assembled Polyelectrolyte Nanocapsules. <i>AAPS PharmSciTech</i> , 2020, 21, 292.	3.3	5
29	Syntheses, Characterization, Antimicrobial Activity and Extraction Studies of Tetraaza Macrocyclic/Linear Schiff Bases Derived from Benzene-1,4-Dicarboxaldehyde and Their Coordination Compounds. <i>Advances in Biological Chemistry</i> , 2021, 11, 79-105.	0.6	5
30	In Vitro Skin Delivery of Griseofulvin by Layer-by-Layer Nanocoated Emulsions Stabilized by Whey Protein and Polysaccharides. <i>Pharmaceutics</i> , 2022, 14, 554.	4.5	5
31	Synthesis, Characterization, Antimicrobial and DNA Binding Studies of a Tetradentate N2O2 Amino Acid Schiff Base and Its Coordination Compounds. <i>Advances in Biological Chemistry</i> , 2021, 11, 30-51.	0.6	3
32	Synthesis Characterization and Biological Activities of an Enamine Derivative and Its Coordination Compounds. <i>Advances in Biological Chemistry</i> , 2020, 10, 172-189.	0.6	3
33	Syntheses of Coordination Compounds of 2-Amino-3-Methylbutanoic Acid Their Mixed Ligand Complexes and Antibacterial Activities. <i>Advances in Biological Chemistry</i> , 2020, 10, 67-85.	0.6	1
34	Aluminum triflate-cocatalyzed radical copolymerization of styrene and ethyl acrylate. <i>Polymer Bulletin</i> , 2020, 77, 2227-2247.	3.3	0
35	Sintese van Guerbet-tipe surfaktante en die bepaling van hulle toepassings. <i>South African Journal of Science and Technology</i> , 2020, 39, 141-141.	0.1	0
36	Karakterisering van Grubbs-tipe-prekatalisatore met behulp van kernmagnetieseresonansiespektrometrie. <i>South African Journal of Science and Technology</i> , 2020, , 1-13.	0.1	0