Cornelia M Keck

List of Publications by Year
in descending order

115	6,559	101384	64668
papers	citations	36 h-index	79 g-index

120	120	120	6223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The antioxidant Rutin counteracts the pathological impact of Î±-synuclein on the enteric nervous system in vitro. Biological Chemistry, 2022, 403, 103-122.	1.2	5
2	WoCoVA consensus on the clinical use of in-line filtration during intravenous infusions: Current evidence and recommendations for future research. Journal of Vascular Access, 2022, 23, 179-191.	0.5	5
3	Cucumber-Derived Exosome-like Vesicles and PlantCrystals for Improved Dermal Drug Delivery. Pharmaceutics, 2022, 14, 476.	2.0	20
4	Assessing the Dermal Penetration Efficacy of Chemical Compounds with the Ex-Vivo Porcine Ear Model. Pharmaceutics, 2022, 14, 678.	2.0	13
5	Methoxy-Monobenzoylmethane Protects Skin from UV-Induced Damages in a Randomized, Placebo Controlled, Double-Blinded Human In Vivo Study and Prevents Signs of Inflammation While Improving the Skin Barrier. Dermatology and Therapy, 2022, 12, 435-449.	1.4	1
6	Non-destructive crystallinity assessment of indomethacin in tablets made from smartFilmsÂ® using terahertz time-domain spectroscopy. Scientific Reports, 2022, 12, 6099.	1.6	9
7	Assessing the Oxidative State of the Skin by Combining Classical Tape Stripping with ORAC Assay. Pharmaceuticals, 2022, 15, 520.	1.7	1
8	Particle-Assisted Dermal Penetrationâ€"A Simple Formulation Strategy to Foster the Dermal Penetration Efficacy. Pharmaceutics, 2022, 14, 1039.	2.0	4
9	Skin Care Product Rich in Antioxidants and Anti-Inflammatory Natural Compounds Reduces Itching and Inflammation in the Skin of Atopic Dermatitis Patients. Antioxidants, 2022, 11, 1071.	2.2	9
10	Hair follicle targeting with curcumin nanocrystals: Influence of the formulation properties on the penetration efficacy. Journal of Controlled Release, 2021, 329, 598-613.	4.8	49
11	Investigating hesperetin nanocrystals with tailor-made sizes for the prevention and treatment of Alzheimerâ€™s disease. Drug Delivery and Translational Research, 2021, 11, 659-674.	3.0	16
12	Improved Antioxidant Capacity of Black Tea Waste Utilizing PlantCrystals. Molecules, 2021, 26, 592.	1.7	16
13	Dermal Penetration Analysis of Curcumin in an ex vivo Porcine Ear Model Using Epifluorescence Microscopy and Digital Image Processing. Skin Pharmacology and Physiology, 2021, 34, 281-299.	1.1	19
14	Upcycling Culinary Organic Waste: Production of Plant Particles from Potato and Carrot Peels to Improve Antioxidative Capacity. Current Nutraceuticals, 2021, 2, 62-70.	0.1	4
15	Release of the model drug SR101 from polyurethane nanocapsules in porcine hair follicles triggered by LED-derived low dose UVA light. International Journal of Pharmaceutics, 2021, 597, 120339.	2.6	9
16	Fingerprint of Natureâ€"Skin Penetration Analysis of a Stinging Nettle PlantCrystals Formulation. Cosmetics, 2021, 8, 21.	1.5	1
17	Improved Dermal and Transdermal Delivery of Curcumin with SmartFilms and Nanocrystals. Molecules, 2021, 26, 1633.	1.7	27
18	Identification of plant metabolite classes from Waltheria Indica L. extracts regulating inflammatory immune responses via COX-2 inhibition. Journal of Ethnopharmacology, 2021, 270, 113741.	2.0	5

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19	Production and Characterization of Sumac PlantCrystals: Influence of High-Pressure Homogenization on Antioxidant Activity of Sumac (Rhus coriaria L.). Plants, 2021, 10, 1051.	1.6	5
20	Hesperetin Nanocrystals Improve Mitochondrial Function in a Cell Model of Early Alzheimer Disease. Antioxidants, 2021, 10, 1003.	2.2	20
21	Shea butter (Vitellaria paradoxa) and Pentaclethra macrophylla oil as lipids in the formulation of Nanostructured lipid carriers. Scientific African, 2021, 13, e00965.	0.7	3
22	Are lipid nanoparticles really superior? A holistic proof of concept study. Drug Delivery and Translational Research, 2021, , 1.	3.0	13
23	Microdialysis on Ex Vivo Porcine Ear Skin Can Validly Study Dermal Penetration including the Fraction of Transfollicular Penetrationâ€"Demonstrated on Caffeine Nanocrystals. Nanomaterials, 2021, 11, 2387.	1.9	4
24	Influence of lipid matrix composition on biopharmaceutical properties of lipid nanoparticles. Journal of Controlled Release, 2021, 338, 149-163.	4.8	18
25	Influence of mechanical skin treatment (massage, ultrasound, microdermabrasion, tape stripping and) Tj ETQq1 1 0.784314 rgBT /Ov Pharmaceutics and Biopharmaceutics, 2021, 169, 29-36.	2.0	9
26	The impact of skin massage frequency on the intrafollicular transport of silica nanoparticles: Validation of the ratchet effect on an ex vivo porcine skin model. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 266-272.	2.0	9
27	THz TDS of SmartFilmsÂ® Loaded with Indomethacin. , 2021, , .		0
28	Methoxy-Monobenzoylmethane Protects Human Skin against UV-Induced Damage by Conversion to Avobenzone and Radical Scavenging. Molecules, 2021, 26, 6141.	1.7	5
29	Activity-Guided Characterization of COX-2 Inhibitory Compounds in Waltheria indica L. Extracts. Molecules, 2021, 26, 7240.	1.7	4
30	Influence of Massage and Skin Hydration on Dermal Penetration Efficacy of Nile Red from Petroleum Jellyâ€"An Unexpected Outcome. Pharmaceutics, 2021, 13, 2190.	2.0	13
31	Formulation development of lipid nanoparticles: Improved lipid screening and development of tacrolimus loaded nanostructured lipid carriers (NLC). International Journal of Pharmaceutics, 2020, 576, 118918.	2.6	45
32	Investigation of transfollicular caffeine penetration using microdialysis on ex vivo porcine ear skin. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 157, 1-8.	2.0	15
33	Loranthus micranthusnanoparticles abates streptozotocinâ€instigated testicular dysfunction in Wistar rats: Involvement of glucose metabolism enzymes, oxidoâ€inflammatory stress, steroidogenic enzymes/protein and Nrf2 pathway. Andrologia, 2020, 52, e13749.	1.0	7
34	Hair Follicle Targeting and Dermal Drug Delivery with Curcumin Drug Nanocrystalsâ€"Essential Influence of Excipients. Nanomaterials, 2020, 10, 2323.	1.9	31
35	PlantCrystalsâ€"Nanosized Plant Material for Improved Bioefficacy of Medical Plants. Materials, 2020, 13, 4368.	1.3	9
36	Terahertz-spectroscopy for non-destructive determination of crystallinity of L-tartaric acid in smartFilmsÂ® and tablets made from paper. International Journal of Pharmaceutics, 2020, 581, 119253.	2.6	13

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37	Potential of THz-TDS for Crystallinity State Inspection of Active Pharmaceutical Ingredients in SmartFilmsÂ®. , 2020, , .		0
38	Preservation of rutin nanosuspensions without the use of preservatives. Beilstein Journal of Nanotechnology, 2019, 10, 1902-1913.	1.5	5
39	Nanocrystals for Dermal Application. , 2019, , 161-177.		2
40	Characterization of Nanoparticles for Cosmetic Applications. , 2019, , 181-198.		0
41	Evaluation of a biosurfactant extract obtained from corn for dermal application. International Journal of Pharmaceutics, 2019, 564, 225-236.	2.6	32
42	Nanosized selenium and Loranthus micranthus leaves ameliorate streptozotocin-induced hepato-renal dysfunction in rats via enhancement of antioxidant system, regulation of caspase 3 and Nrf2 protein expression. PharmaNutrition, 2019, 9, 100150.	0.8	8
43	smartPearlsÂ® for dermal bioavailability enhancement â€“ Long-term stabilization of suspensions by viscoelasticity. International Journal of Pharmaceutics, 2019, 562, 293-302.	2.6	9
44	Nanocrystals for improved dermal drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 170-178.	2.0	54
45	No time to waste organic waste: Nanosizing converts remains of food processing into refined materials. Journal of Environmental Management, 2018, 210, 114-121.	3.8	32
46	Solidification of hesperidin nanosuspension by spray drying optimized by design of experiment (DoE). Drug Development and Industrial Pharmacy, 2018, 44, 1-12.	0.9	31
47	ROS production and glutathione response in keratinocytes after application of Î²-carotene and VIS/NIR irradiation. Chemico-Biological Interactions, 2018, 280, 1-7.	1.7	28
48	Outcomes of pneumatic dilation in achalasia: Extended followâ€up of more than 25Âyears with a focus on manometric subtypes. Journal of Gastroenterology and Hepatology (Australia), 2018, 33, 1067-1074.	1.4	24
49	Tablets made from paper. International Journal of Pharmaceutics, 2018, 548, 812-819.	2.6	12
50	Natural Nanoparticles: A Particular Matter Inspired by Nature. Antioxidants, 2018, 7, 3.	2.2	148
51	Resuspendable Powders of Lyophilized Chalcogen Particles with Activity against Microorganisms. Antioxidants, 2018, 7, 23.	2.2	17
52	Characterization of Nanosized Drug Carriers by Analytical Centrifugation. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700962.	0.8	1
53	Milling the Mistletoe: Nanotechnological Conversion of African Mistletoe (Loranthus micranthus) Intoantimicrobial Materials. Antioxidants, 2018, 7, 60.	2.2	12
54	Natural selenium particles from Staphylococcus carnosus: Hazards or particles with particular promise?. Journal of Hazardous Materials, 2017, 324, 22-30.	6.5	49

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55	Dermal miconazole nitrate nanocrystals â€“ formulation development, increased antifungal efficacy & skin penetration. International Journal of Pharmaceutics, 2017, 531, 350-359.	2.6	35
56	Determination of nanostructures and drug distribution in lipid nanoparticles by single molecule microscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 110, 31-38.	2.0	22
57	Nature's Hat-trick: Can we use sulfur springs as ecological source for materials with agricultural and medical applications?. International Biodeterioration and Biodegradation, 2017, 119, 678-686.	1.9	12
58	Preparation and tableting of long-term stable amorphous rutin using porous silica. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 97-107.	2.0	33
59	Oral hesperidinâ€"Amorphization and improved dissolution properties by controlled loading onto porous silica. International Journal of Pharmaceutics, 2017, 518, 253-263.	2.6	27
60	Nanocapsule formation by nanocrystals. , 2017, , 165-186.		3
61	Nanosizing Cynomorium: Thumbs up for Potential Antifungal Applications. Inventions, 2017, 2, 24.	1.3	17
62	Encapsulation by nanostructured lipid carriers. , 2017, , 114-137.		13
63	Rutinâ€"Increased Antioxidant Activity and Skin Penetration by Nanocrystal Technology (smartCrystals). Cosmetics, 2016, 3, 9.	1.5	39
64	Turning Waste into Value: Nanosized Natural Plant Materials of Solanum incanum L. and Pterocarpus erinaceus Poir with Promising Antimicrobial Activities. Pharmaceutics, 2016, 8, 11.	2.0	24
65	Destabilization Mechanism of Ionic Surfactant on Curcumin Nanocrystal against Electrolytes. Scientia Pharmaceutica, 2016, 84, 685-693.	0.7	23
66	Development of cationic nanocrystals for ocular delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 107, 215-222.	2.0	62
67	Time to rethink filtration. British Journal of Nursing, 2016, 25, 1-12.	0.3	4
68	Simple low-cost miniaturization approach for pharmaceutical nanocrystals production. International Journal of Pharmaceutics, 2016, 501, 236-244.	2.6	45
69	Nanostructured Lipid Carriers (NLC): The Second Generation of Solid Lipid Nanoparticles. , 2016, , 161-185.		37
70	Amorphous cyclosporin A nanoparticles for enhanced dermal bioavailability. International Journal of Pharmaceutics, 2016, 498, 217-224.	2.6	62
71	Nanocrystals for Passive Dermal Penetration Enhancement. , 2016, , 283-295.		5
72	Nanoemulsions produced by rotorâ€"stator high speed stirring. International Journal of Pharmaceutics, 2015, 482, 110-117.	2.6	60

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73	Static Image Analysis as New Approach for the Characterization of Tumor Cell Lysate Used in Dendritic Cell Vaccine Preparation. Transfusion Medicine and Hemotherapy, 2015, 42, 122-128.	0.7	2
74	Ultra-small lipid nanoparticles promote the penetration of coenzyme Q10 in skin cells and counteract oxidative stress. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 201-207.	2.0	60
75	CapsMorphÂ® technology for oral delivery â€“ theory, preparation and characterization. International Journal of Pharmaceutics, 2015, 482, 11-20.	2.6	17
76	Industrial concentrates of dermal hesperidin smartCrystalsÂ® â€“ production, characterization & long-term stability. International Journal of Pharmaceutics, 2015, 482, 54-60.	2.6	37
77	Flavonoid nanocrystals produced by ARTcrystalÂ®-technology. International Journal of Pharmaceutics, 2015, 482, 27-37.	2.6	21
78	Nanocrystals: From Raw Material to the Final Formulated Oral Dosage Form - A Review. Current Pharmaceutical Design, 2015, 21, 4217-4228.	0.9	20
79	Nanocrystals of medium soluble activesâ€"Novel concept for improved dermal delivery and production strategy. International Journal of Pharmaceutics, 2014, 470, 141-150.	2.6	62
80	ARTcrystalÂ® process for industrial nanocrystal productionâ€"Optimization of the ART MICCRA pre-milling step. International Journal of Pharmaceutics, 2014, 465, 388-395.	2.6	20
81	A new concept for the treatment of atopic dermatitis: Silverâ€“nanolipid complex (sNLC). International Journal of Pharmaceutics, 2014, 462, 44-51.	2.6	32
82	Solid lipid nanoparticles (SLN) stabilized with polyhydroxy surfactants: Preparation, characterization and physical stability investigation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 444, 15-25.	2.3	87
83	Oil-enriched, ultra-small nanostructured lipid carriers (usNLC): A novel delivery system based on flipâ€“flop structure. International Journal of Pharmaceutics, 2014, 477, 227-235.	2.6	38
84	Dermal nanocrystals from medium soluble actives â€“ Physical stability and stability affecting parameters. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 85-91.	2.0	42
85	Formulation of solid lipid nanoparticles (SLN): The value of different alkyl polyglucoside surfactants. International Journal of Pharmaceutics, 2014, 474, 33-41.	2.6	59
86	The â€œReal Environmentâ€•Quantification of Surface Hydrophobicity of Differently Stabilized Nanocrystals as Key Parameter for Organ Distribution. Macromolecular Symposia, 2014, 345, 32-41.	0.4	5
87	Ultra-small NLC for improved dermal delivery of coenzyme Q10. International Journal of Pharmaceutics, 2013, 447, 213-217.	2.6	73
88	Development of Curcumin Nanocrystal: Physical Aspects. Journal of Pharmaceutical Sciences, 2013, 102, 204-214.	1.6	111
89	Nanotoxicological classification system (NCS) â€“ A guide for the risk-benefit assessment of nanoparticulate drug delivery systems. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 445-448.	2.0	144
90	Protein Adsorption Patterns and Analysis on IV Nanoemulsionsâ€"The Key Factor Determining the Organ Distribution. Pharmaceutics, 2013, 5, 36-68.	2.0	19

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91	Laser diffractometry of nanoparticles: frequent pitfalls & overlooked opportunities. Journal of Pharmaceutical Technology & Drug Research, 2013, 2, 17.	1.0	8
92	Feedforward Inhibition and Synaptic Scaling â€“ Two Sides of the Same Coin?. PLoS Computational Biology, 2012, 8, e1002432.	1.5	26
93	Twenty years of drug nanocrystals: Where are we, and where do we go?. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 1-3.	2.0	105
94	Development of industrially feasible concentrated 30% and 40% nanoemulsions for intravenous drug delivery. Drug Development and Industrial Pharmacy, 2012, 38, 420-430.	0.9	35
95	Production and characterization of testosterone undecanoate-loaded NLC for oral bioavailability enhancement. Drug Development and Industrial Pharmacy, 2011, 37, 8-14.	0.9	31
96	State of the art of nanocrystals â€“ Special features, production, nanotoxicology aspects and intracellular delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 78, 1-9.	2.0	569
97	Nanostructured lipid carriers as nitroxide depot system measured by electron paramagnetic resonance spectroscopy. International Journal of Pharmaceutics, 2011, 421, 364-369.	2.6	24
98	Skin photoprotection improvement: Synergistic interaction between lipid nanoparticles and organic UV filters. International Journal of Pharmaceutics, 2011, 414, 276-284.	2.6	84
99	Polyhydroxy surfactants for the formulation of lipid nanoparticles (SLN and NLC): Effects on size, physical stability and particle matrix structure. International Journal of Pharmaceutics, 2011, 406, 163-172.	2.6	261
100	20 Years of Lipid Nanoparticles (SLN & NLC): Present State of Development & Industrial Applications. Current Drug Discovery Technologies, 2011, 8, 207-227.	0.6	410
101	smartCrystals â€” Review of the Second Generation of Drug Nanocrystals. , 2011, , 555-580.		6
102	Particle size analysis of nanocrystals: Improved analysis method. International Journal of Pharmaceutics, 2010, 390, 3-12.	2.6	48
103	Development of a positively charged prednicarbate nanoemulsion. International Journal of Pharmaceutics, 2010, 383, 201-208.	2.6	66
104	Pharmaceutical nanoparticlesâ€”From their innovative origin to their future. International Journal of Pharmaceutics, 2010, 390, 1-2.	2.6	6
105	In vitro Inhibition of Fungal Activity by Macrophageâ€Mediated Sequestration and Release of Encapsulated Amphotericin B Nanosupension in Red Blood Cells. Small, 2010, 6, 96-103.	5.2	44
106	Preservation of nanostructured lipid carriers (NLC). European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 56-67.	2.0	114
107	Kinetic solubility and dissolution velocity of rutin nanocrystals. European Journal of Pharmaceutical Sciences, 2009, 36, 502-510.	1.9	141
108	Development of an oral rutin nanocrystal formulation. International Journal of Pharmaceutics, 2009, 370, 202-209.	2.6	211

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109	Production and characterization of Hesperetin nanosuspensions for dermal delivery. International Journal of Pharmaceutics, 2009, 371, 182-189.	2.6	262
110	Silver-Nanolipid Complex for Application to Atopic Dermatitis Skin: Rheological Characterization, <I>In Vivo</I> Efficiency and Theory of Action. Journal of Biomedical Nanotechnology, 2009, 5, 428-436.	0.5	33
111	Size analysis of submicron particles by laser diffractometryâ€"90% of the published measurements are false. International Journal of Pharmaceutics, 2008, 355, 150-163.	2.6	117
112	Second generation of drug nanocrystals for delivery of poorly soluble drugs: smartCrystal technology. European Journal of Pharmaceutical Sciences, 2008, 34, S20-S21.	1.9	29
113	Drug nanocrystals of poorly soluble drugs produced by high pressure homogenisation. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 62, 3-16.	2.0	888
114	Drug Delivery to the Brain â€“ Realization by Novel Drug Carriers. Journal of Nanoscience and Nanotechnology, 2004, 4, 471-483.	0.9	91
115	Challenges and solutions for the delivery of biotech drugs â€“ a review of drug nanocrystal technology and lipid nanoparticles. Journal of Biotechnology, 2004, 113, 151-170.	1.9	673