

Dolores R Serrano

List of Publications by Year in descending order

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81
papers

2,405
citations

186265
28
h-index

223800
46
g-index

81
all docs

81
docs citations

81
times ranked

3211
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalised 3D Printed Medicines: Which Techniques and Polymers Are More Successful?. Bioengineering, 2017, 4, 79.	3.5	164
2	Amphiphilic poly(l-amino acids) " New materials for drug delivery. Journal of Controlled Release, 2012, 161, 523-536.	9.9	138
3	Strategies To Deliver Peptide Drugs to the Brain. Molecular Pharmaceutics, 2014, 11, 1081-1093.	4.6	133
4	Transferosomes as nanocarriers for drugs across the skin: Quality by design from lab to industrial scale. International Journal of Pharmaceutics, 2020, 573, 118817.	5.2	118
5	Oral Particle Uptake and Organ Targeting Drives the Activity of Amphotericin B Nanoparticles. Molecular Pharmaceutics, 2015, 12, 420-431.	4.6	91
6	Technology-enhanced learning in higher education: How to enhance student engagement through blended learning. European Journal of Education, 2019, 54, 273-286.	2.8	73
7	Drug Delivery Nanosystems for the Localized Treatment of Glioblastoma Multiforme. Materials, 2018, 11, 779.	2.9	71
8	A Prodrug Nanoparticle Approach for the Oral Delivery of a Hydrophilic Peptide, Leucine-enkephalin, to the Brain. Molecular Pharmaceutics, 2012, 9, 1665-1680.	4.6	64
9	Hemolytic and pharmacokinetic studies of liposomal and particulate amphotericin B formulations. International Journal of Pharmaceutics, 2013, 447, 38-46.	5.2	64
10	New amphotericin B-gamma cyclodextrin formulation for topical use with synergistic activity against diverse fungal species and Leishmania spp. International Journal of Pharmaceutics, 2014, 473, 148-157.	5.2	63
11	Exploring uptake mechanisms of oral nanomedicines using multimodal nonlinear optical microscopy. Journal of Biophotonics, 2012, 5, 458-468.	2.3	62
12	Cocrystal habit engineering to improve drug dissolution and alter derived powder properties. Journal of Pharmacy and Pharmacology, 2016, 68, 665-677.	2.4	55
13	3D printed spherical mini-tablets: Geometry versus composition effects in controlling dissolution from personalised solid dosage forms. International Journal of Pharmaceutics, 2021, 597, 120336.	5.2	53
14	Peptide Self-Assemblies for Drug Delivery. Current Topics in Medicinal Chemistry, 2015, 15, 2277-2289.	2.1	53
15	Unmet clinical needs in the treatment of systemic fungal infections: The role of amphotericin B and drug targeting. International Journal of Pharmaceutics, 2017, 525, 139-148.	5.2	52
16	Nanoparticulate peptide delivery exclusively to the brain produces tolerance free analgesia. Journal of Controlled Release, 2018, 270, 135-144.	9.9	51
17	Personalised 3D Printed Medicines: Optimising Material Properties for Successful Passive Diffusion Loading of Filaments for Fused Deposition Modelling of Solid Dosage Forms. Pharmaceutics, 2020, 12, 345.	4.5	50
18	Polymorphism in Sulfadimidine/4-Aminosalicylic Acid Cocrystals: Solid-State Characterization and Physicochemical Properties. Journal of Pharmaceutical Sciences, 2015, 104, 1385-1398.	3.3	49

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19	Engineering of pharmaceutical cocrystals in an excipient matrix: Spray drying versus hot melt extrusion. <i>International Journal of Pharmaceutics</i> , 2018, 551, 241-256.	5.2	47
20	Production of cocrystals in an excipient matrix by spray drying. <i>International Journal of Pharmaceutics</i> , 2018, 536, 467-477.	5.2	42
21	Modelling and shadowgraph imaging of cocrystal dissolution and assessment of in vitro antimicrobial activity for sulfadimidine/4-aminosalicylic acid cocrystals. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 89, 125-136.	4.0	41
22	Orally Bioavailable and Effective Buparvaquone Lipid-Based Nanomedicines for Visceral Leishmaniasis. <i>Molecular Pharmaceutics</i> , 2018, 15, 2570-2583.	4.6	39
23	Optimising the in vitro and in vivo performance of oral cocrystal formulations via spray coating. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 13-27.	4.3	34
24	Designing Fast-Dissolving Orodispersible Films of Amphotericin B for Oropharyngeal Candidiasis. <i>Pharmaceutics</i> , 2019, 11, 369.	4.5	34
25	Oral Fixed-Dose Combination Pharmaceutical Products: Industrial Manufacturing Versus Personalized 3D Printing. <i>Pharmaceutical Research</i> , 2020, 37, 132.	3.5	34
26	Traction of 3D and 4D Printing in the Healthcare Industry: From Drug Delivery and Analysis to Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2764-2797.	5.2	34
27	Imaging cortical vasculature with stimulated Raman scattering and two-photon photothermal lensing microscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 668-674.	2.5	33
28	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.	3.5	29
29	Understanding Direct Powder Extrusion for Fabrication of 3D Printed Personalised Medicines: A Case Study for Nifedipine Minitablets. <i>Pharmaceutics</i> , 2021, 13, 1583.	4.5	26
30	Emerging Nanonisation Technologies: Tailoring Crystalline Versus Amorphous Nanomaterials. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 2327-2340.	2.1	25
31	Amphotericin B Formulations – The Possibility of Generic Competition. <i>Pharmaceutical Nanotechnology</i> , 2013, 1, 250-258.	1.5	24
32	The oral delivery of amphotericin B. <i>Therapeutic Delivery</i> , 2013, 4, 9-12.	2.2	24
33	Self-assembling, supramolecular chemistry and pharmacology of amphotericin B: Poly-aggregates, oligomers and monomers. <i>Journal of Controlled Release</i> , 2022, 341, 716-732.	9.9	24
34	Efficacy of low doses of amphotericin B plus allicin against experimental visceral leishmaniasis. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3268-3274.	3.0	23
35	A novel formulation of solubilised amphotericin B designed for ophthalmic use. <i>International Journal of Pharmaceutics</i> , 2012, 437, 80-82.	5.2	22
36	Predicting the critical quality attributes of ibuprofen tablets via modelling of process parameters for roller compaction and tableting. <i>International Journal of Pharmaceutics</i> , 2019, 565, 209-218.	5.2	22

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37	Engineering Oral and Parenteral Amorphous Amphotericin B Formulations against Experimental <i>Trypanosoma cruzi</i> Infections. <i>Molecular Pharmaceutics</i> , 2017, 14, 1095-1106.	4.6	21
38	Oral amphotericin B: The journey from bench to market. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 42, 75-83.	3.0	21
39	New aerosol formulation to control ciprofloxacin pulmonary concentration. <i>Journal of Controlled Release</i> , 2018, 271, 118-126.	9.9	21
40	Ultradeformable Lipid Vesicles Localize Amphotericin B in the Dermis for the Treatment of Infectious Skin Diseases. <i>ACS Infectious Diseases</i> , 2020, 6, 2647-2660.	3.8	21
41	Peptide pills for brain diseases? Reality and future perspectives. <i>Therapeutic Delivery</i> , 2013, 4, 479-501.	2.2	20
42	Use of leucine to improve aerodynamic properties of ciprofloxacin-loaded maltose microparticles for inhalation. <i>European Journal of Pharmaceutical Research</i> , 2019, 1, 02-11.	1.0	20
43	Topical buparvaquone nano-enabled hydrogels for cutaneous leishmaniasis. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119734.	5.2	19
44	Repurposing Butenafine as An Oral Nanomedicine for Visceral Leishmaniasis. <i>Pharmaceutics</i> , 2019, 11, 353.	4.5	18
45	Engineering butylglyceryl-modified polysaccharides towards nanomedicines for brain drug delivery. <i>Carbohydrate Polymers</i> , 2020, 236, 116060.	10.2	18
46	The Influence of CYP2C19 Genetic Polymorphism on the Pharmacokinetics/- Pharmacodynamics of Proton Pump Inhibitor-Containing <i>Helicobacter pylori</i> Treatments. <i>Current Drug Metabolism</i> , 2012, 13, 1303-1312.	1.2	17
47	Developing transcutaneous nanoenabled anaesthetics for eyelid surgery. <i>British Journal of Ophthalmology</i> , 2016, 100, 871-876.	3.9	16
48	Analgesic and anti-inflammatory controlled-released injectable microemulsion: Pseudo-ternary phase diagrams, in vitro , ex vivo and in vivo evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 220-227.	4.0	16
49	Enhancing the antibacterial effect of chitosan to combat orthopaedic implant-associated infections. <i>Carbohydrate Polymers</i> , 2022, 289, 119385.	10.2	16
50	Engineering 3D Printed Microfluidic Chips for the Fabrication of Nanomedicines. <i>Pharmaceutics</i> , 2021, 13, 2134.	4.5	16
51	Evaluating the Potential of Ursolic Acid as Bioproduct for Cutaneous and Visceral Leishmaniasis. <i>Molecules</i> , 2020, 25, 1394.	3.8	14
52	Development of Advanced 3D-Printed Solid Dosage Pediatric Formulations for HIV Treatment. <i>Pharmaceutics</i> , 2022, 15, 435.	3.8	14
53	Tuning the Transdermal Delivery of Hydroquinone upon Formulation with Novel Permeation Enhancers. <i>Pharmaceutics</i> , 2019, 11, 167.	4.5	13
54	Transcutaneous anaesthetic nano-enabled hydrogels for eyelid surgery. <i>International Journal of Pharmaceutics</i> , 2020, 577, 119003.	5.2	10

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55	Nebulised antibiotherapy: conventional versus nanotechnology-based approaches, is targeting at a nano scale a difficult subject?. <i>Annals of Translational Medicine</i> , 2017, 5, 448-448.	1.7	10
56	Effect of the characteristics of raw material ibuprofen on roller compaction and dissolution. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 42, 237-244.	3.0	9
57	A Comparative Study on the Performance of Inert and Functionalized Spheres Coated with Solid Dispersions Made of Two Structurally Related Antifungal Drugs. <i>Molecular Pharmaceutics</i> , 2017, 14, 3718-3728.	4.6	9
58	Efficacy of a poly-aggregated formulation of amphotericin B in treating systemic sporotrichosis caused by <i>Sporothrix brasiliensis</i> . <i>Medical Mycology</i> , 2018, 56, 288-296.	0.7	9
59	A multivariate investigation into the relationship between pharmaceutical characteristics and patient preferences of bioequivalent ibuprofen tablets. <i>Patient Preference and Adherence</i> , 2018, Volume 12, 1927-1935.	1.8	9
60	Increased Efficacy of Oral Fixed-Dose Combination of Amphotericin B and AHCC® Natural Adjuvant against Aspergillosis. <i>Pharmaceutics</i> , 2019, 11, 456.	4.5	9
61	Toxicology of Blister Agents: Is Melatonin a Potential Therapeutic Option?. <i>Diseases (Basel)</i> , 2021, 10, 1075.	0.784314	9
62	Applying Loop-mediated Isothermal Amplification (LAMP) in the Diagnosis of Malaria, Leishmaniasis and Trypanosomiasis as Point-of-Care Tests (POCTs). <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1358-1374.	2.1	9
63	Impact of Substrate Properties on the Formation of Spherulitic Films: A Case Study of Salbutamol Sulfate. <i>Crystal Growth and Design</i> , 2016, 16, 3853-3858.	3.0	8
64	Nanoemulsified Butenafine for Enhanced Performance against Experimental Cutaneous Leishmaniasis. <i>Journal of Immunology Research</i> , 2021, 2021, 1-13.	2.2	7
65	Antibiotic stability in portable elastomeric infusion devices: A systematic review. <i>American Journal of Health-System Pharmacy</i> , 2022, 79, 1355-1368.	1.0	7
66	Engineering Synergistically Active and Bioavailable Cost-effective Medicines for Neglected Tropical Diseases; The Role of Excipients. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, .	2.1	6
67	Preformulation Studies of a Stable PTEN-PDZ Lipopeptide Able to Cross an In Vitro Blood-Brain-Barrier Model as a Potential Therapy for Alzheimer's Disease. <i>Pharmaceutical Research</i> , 2020, 37, 183.	3.5	5
68	Chapter 7.1. Nanostructures Overcoming the Blood-Brain Barrier: Physiological Considerations and Mechanistic Issues. <i>RSC Drug Discovery Series</i> , 2012, , 329-363.	0.3	5
69	Harnessing the Antibacterial Properties of Fluoridated Chitosan Polymers against Oral Biofilms. <i>Pharmaceutics</i> , 2022, 14, 488.	4.5	4
70	Unresponsiveness of Experimental Canine Leishmaniosis to a New Amphotericin B Formulation. <i>Advances in Pharmaceutics</i> , 2015, 2015, 1-13.	0.5	3
71	Nanotechnology in Brain Tumor Targeting. , 2018, , 111-145.		3
72	Nucleotides and AHCC Enhance Th1 Responses In Vitro in Leishmania-Stimulated/Infected Murine Cells. <i>Molecules</i> , 2020, 25, 3918.	3.8	3

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73	Editorial (Thematic Issue: Engineering Nanomedicines into Safe and Effective Therapeutics). Current Topics in Medicinal Chemistry, 2015, 15, 2253-2253.	2.1	2
74	Effect of enantiomerism on the bioequivalence of a new ibuprofen 600µg tablet formulation obtained by roller compaction. Chirality, 2020, 32, 185-190.	2.6	2
75	Detecting polymeric nanoparticles with coherent anti-stokes Raman scattering microscopy in tissues exhibiting fixative-induced autofluorescence. Proceedings of SPIE, 2015, , .	0.8	1
76	New Drugs and Therapeutic/Diagnostic Targets for Fungal and Parasitic Diseases - Part I. Current Topics in Medicinal Chemistry, 2018, 18, 1274-1274.	2.1	1
77	Antifungal and Antiparasitic Drug Delivery. Pharmaceutics, 2020, 12, 324.	4.5	1
78	Topical Delivery of Amphotericin B Utilizing Transferosomes for the Treatment of Cutaneous Leishmaniasis. Proceedings (mdpi), 2021, 78, 26.	0.2	1
79	Tailoring Rational Manufacturing of Extemporaneous Compounding Oral Dosage Formulations with a Low Dose of Minoxidil. Pharmaceutics, 2022, 14, 658.	4.5	1
80	New Drugs and Therapeutic/Diagnostic Targets for Fungal and Parasitic Diseases - Part II. Current Topics in Medicinal Chemistry, 2018, 18, 1357-1357.	2.1	0
81	Active Targeting. , 2013, , 337-374.		0