Elena Sanchez

List of Publications by Year in descending order

81 papers	3,743 citations	136950 32 h-index	138484 58 g-index
84 all docs	84 docs citations	84 times ranked	4927 citing authors

#	Article	IF	Citations
1	Metal-Based Nanoparticles as Antimicrobial Agents: An Overview. Nanomaterials, 2020, 10, 292.	4.1	769
2	Current Research Therapeutic Strategies for Alzheimerâ€™s Disease Treatment. Neural Plasticity, 2016, 2016, 1-15.	2.2	200
3	Memantine loaded PLGA PEGylated nanoparticles for Alzheimerâ€™s disease: in vitro and in vivo characterization. Journal of Nanobiotechnology, 2018, 16, 32.	9.1	163
4	Memantine for the Treatment of Dementia: A Review on its Current and Future Applications. Journal of Alzheimer's Disease, 2018, 62, 1223-1240.	2.6	150
5	Current Applications of Nanoemulsions in Cancer Therapeutics. Nanomaterials, 2019, 9, 821.	4.1	147
6	Silver Nanoparticles-Composing Alginate/Gelatine Hydrogel Improves Wound Healing In Vivo. Nanomaterials, 2020, 10, 390.	4.1	138
7	Advanced Formulation Approaches for Ocular Drug Delivery: State-Of-The-Art and Recent Patents. Pharmaceutics, 2019, 11, 460.	4.5	115
8	Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndromeâ€”Review of Classical and New Compounds: Part-I. Pharmaceuticals, 2019, 12, 152.	3.8	95
9	Cationic Surfactants: Self-Assembly, Structure-Activity Correlation and Their Biological Applications. International Journal of Molecular Sciences, 2019, 20, 5534.	4.1	88
10	Nanomedicines for the Delivery of Antimicrobial Peptides (AMPs). Nanomaterials, 2020, 10, 560.	4.1	83
11	Memantineâ€Loaded PEGylated Biodegradable Nanoparticles for the Treatment of Glaucoma. Small, 2018, 14, 1701808.	10.0	77
12	Current advances in the development of novel polymeric nanoparticles for the treatment of neurodegenerative diseases. Nanomedicine, 2020, 15, 1239-1261.	3.3	68
13	New potential strategies for Alzheimer's disease prevention: pegylated biodegradable dexibuprofen nanospheres administration to APPswe/PS1dE9. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1171-1182.	3.3	64
14	Epigallocatechin-3-gallate loaded PEGylated-PLGA nanoparticles: A new anti-seizure strategy for temporal lobe epilepsy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1073-1085.	3.3	60
15	Nanomedicine-based technologies and novel biomarkers for the diagnosis and treatment of Alzheimerâ€™s disease: from current to future challenges. Journal of Nanobiotechnology, 2021, 19, 122.	9.1	60
16	Flurbiprofen PLGA-PEG nanospheres: Role of hydroxy-Î²-cyclodextrin on ex vivo human skin permeation and in vivo topical anti-inflammatory efficacy. Colloids and Surfaces B: Biointerfaces, 2013, 110, 339-346.	5.0	49
17	Physicochemical and biopharmaceutical aspects influencing skin permeation and role of SLN and NLC for skin drug delivery. Heliyon, 2022, 8, e08938.	3.2	48
18	Development of Chitosan/Silver Sulfadiazine/Zeolite Composite Films for Wound Dressing. Pharmaceutics, 2019, 11, 535.	4.5	47

#	Article	IF	Citations
19	The Implication of the Brain Insulin Receptor in Late Onset Alzheimerâ€™s Disease Dementia. Pharmaceuticals, 2018, 11, 11.	3.8	45
20	Discovery of a Potent Dual Inhibitor of Acetylcholinesterase and Butyrylcholinesterase with Antioxidant Activity that Alleviates Alzheimer-like Pathology in Old APP/PS1 Mice. Journal of Medicinal Chemistry, 2021, 64, 812-839.	6.4	45
21	Flavonoid-Enriched Plant-Extract-Loaded Emulsion: A Novel Phytocosmetic Sunscreen Formulation with Antioxidant Properties. Antioxidants, 2019, 8, 443.	5.1	44
22	Dexibuprofen Biodegradable Nanoparticles: One Step Closer towards a Better Ocular Interaction Study. Nanomaterials, 2020, 10, 720.	4.1	44
23	Soft Cationic Nanoparticles for Drug Delivery: Production and Cytotoxicity of Solid Lipid Nanoparticles (SLNs). Applied Sciences (Switzerland), 2019, 9, 4438.	2.5	43
24	Trends in Atopic Dermatitisâ€"From Standard Pharmacotherapy to Novel Drug Delivery Systems. International Journal of Molecular Sciences, 2019, 20, 5659.	4.1	43
25	Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndromeâ€"Strategies for In Vivo Administration: Part-II. Journal of Clinical Medicine, 2019, 8, 1332.	2.4	43
26	Ocular penetration of fluorometholone-loaded PEG-PLGA nanoparticles functionalized with cell-penetrating peptides. Nanomedicine, 2019, 14, 3089-3104.	3.3	41
27	The Involvement of Peripheral and Brain Insulin Resistance in Late Onset Alzheimerâ€™s Dementia. Frontiers in Aging Neuroscience, 2019, 11, 236.	3.4	40
28	Evaluation of the Influence of Process Parameters on the Properties of Resveratrol-Loaded NLC Using 22 Full Factorial Design. Antioxidants, 2019, 8, 272.	5.1	40
29	Psoriasis: From Pathogenesis to Pharmacological and Nano-Technological-Based Therapeutics. International Journal of Molecular Sciences, 2021, 22, 4983.	4.1	40
30	State-of-the-art polymeric nanoparticles as promising therapeutic tools against human bacterial infections. Journal of Nanobiotechnology, 2020, 18, 156.	9.1	38
31	Dexibuprofen prevents neurodegeneration and cognitive decline in APPswe/PS1dE9 through multiple signaling pathways. Redox Biology, 2017, 13, 345-352.	9.0	36
32	Praziquantel-Solid Lipid Nanoparticles Produced by Supercritical Carbon Dioxide Extraction: Physicochemical Characterization, Release Profile, and Cytotoxicity. Molecules, 2019, 24, 3881.	3.8	36
33	Benzodiazepines and Related Drugs as a Risk Factor in Alzheimer's Disease Dementia. Frontiers in Aging Neuroscience, 2019, 11, 344.	3.4	35
34	Experimental Models for Aging and their Potential for Novel Drug Discovery. Current Neuropharmacology, 2018, 16, 1466-1483.	2.9	35
35	Thymol-loaded PLGA nanoparticles: an efficient approach for acne treatment. Journal of Nanobiotechnology, 2021, 19, 359.	9.1	31
36	Development of Lactoferrin-Loaded Liposomes for the Management of Dry Eye Disease and Ocular Inflammation. Pharmaceutics, 2021, 13, 1698.	4.5	28

#	Article	IF	Citations
37	Lipid Nanoparticles for the Posterior Eye Segment. Pharmaceutics, 2022, 14, 90.	4.5	28
38	Epilepsy in Neurodegenerative Diseases: Related Drugs and Molecular Pathways. Pharmaceuticals, 2021, 14, 1057.	3.8	27
39	Exudative versus Nonexudative Age-Related Macular Degeneration: Physiopathology and Treatment Options. International Journal of Molecular Sciences, 2022, 23, 2592.	4.1	27
40	Surface Functionalization of PLGA Nanoparticles to Increase Transport across the BBB for Alzheimerâ€™s Disease. Applied Sciences (Switzerland), 2021, 11, 4305.	2.5	26
41	Evaluation of In Vitro Solar Protection Factor (SPF), Antioxidant Activity, and Cell Viability of Mixed Vegetable Extracts from Dirmophandra mollis Benth, Ginkgo biloba L., Ruta graveolens L., and Vitis vinÂfera L.. Plants, 2019, 8, 453.	3.5	25
42	Peripheral and Central Effects of Memantine in a Mixed Preclinical Mice Model of Obesity and Familial Alzheimerâ€™s Disease. Molecular Neurobiology, 2018, 55, 7327-7339.	4.0	24
43	Early Preclinical Changes in Hippocampal CREB-Binding Protein Expression in a Mouse Model of Familial Alzheimerâ€™s Disease. Molecular Neurobiology, 2018, 55, 4885-4895.	4.0	21
44	Therapeutic Interventions for Countering Leishmaniasis and Chagasâ€™s Disease: From Traditional Sources to Nanotechnological Systems. Pathogens, 2019, 8, 119.	2.8	21
45	Development, Cytotoxicity and Eye Irritation Profile of a New Sunscreen Formulation Based on Benzophenone-3-poly(Îµ-caprolactone) Nanocapsules. Toxics, 2019, 7, 51.	3.7	20
46	Calcium hydroxideâ€loaded PLGA biodegradable nanoparticles as an intracanal medicament. International Endodontic Journal, 2021, 54, 2086-2098.	5.0	20
47	Development of topical eye-drops of lactoferrin-loaded biodegradable nanoparticles for the treatment of anterior segment inflammatory processes. International Journal of Pharmaceutics, 2021, 609, 121188.	5.2	20
48	Development and Characterization of Nanoemulsions for Ophthalmic Applications: Role of Cationic Surfactants. Materials, 2021, 14, 7541.	2.9	20
49	Sirtuins and SIRT6 in Carcinogenesis and in Diet. International Journal of Molecular Sciences, 2019, 20, 4945.	4.1	19
50	A metabolic perspective of late onset Alzheimerâ€™s disease. Pharmacological Research, 2019, 145, 104255.	7.1	19
51	Metformin a Potential Pharmacological Strategy in Late Onset Alzheimerâ€™s Disease Treatment. Pharmaceuticals, 2021, 14, 890.	3.8	19
52	Role of c-Jun N-Terminal Kinases (JNKs) in Epilepsy and Metabolic Cognitive Impairment. International Journal of Molecular Sciences, 2020, 21, 255.	4.1	18
53	Epigallocatechin-3-gallate PEGylated poly(lactic-co-glycolic) acidÂnanoparticles mitigate striatal pathology and motor deficits in 3-nitropropionic acid intoxicated mice. Nanomedicine, 2021, 16, 19-35.	3.3	18
54	Dexibuprofen Therapeutic Advances: Prodrugs and Nanotechnological Formulations. Pharmaceutics, 2021, 13, 414.	4.5	16

#	Article	IF	Citations
55	Surface-Modified Multifunctional Thymol-Loaded Biodegradable Nanoparticles for Topical Acne Treatment. Pharmaceutics, 2021, 13, 1501.	4.5	15
56	Development and optimization of Riluzole-loaded biodegradable nanoparticles incorporated in a mucoadhesive in situ gel for the posterior eye segment. International Journal of Pharmaceutics, 2022, 612, 121379.	5.2	15
57	Development of Peptide Targeted PLGA-PEGylated Nanoparticles Loading Licochalcone-A for Ocular Inflammation. Pharmaceutics, 2022, 14, 285.	4.5	15
58	Masitinib for the treatment of Alzheimer's disease. Neurodegenerative Disease Management, 2021, 11, 263-276.	2.2	14
59	Biodegradable nanoparticles for the treatment of epilepsy: From current advances to future challenges. Epilepsia Open, 2022, 7, .	2.4	14
60	Association of Platelet-Rich Plasma and Auto-Crosslinked Hyaluronic Acid Microparticles: Approach for Orthopedic Application. Polymers, 2019, 11, 1568.	4.5	13
61	Pharmacological Strategies to Improve Dendritic Spines in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 82, S91-S107.	2.6	13
62	Silver nanoparticles obtained from Brazilian pepper extracts with synergistic anti-microbial effect: production, characterization, hydrogel formulation, cell viability, and inÂvitro efficacy. Pharmaceutical Development and Technology, 2021, 26, 539-548.	2.4	13
63	Lipid-Polymeric Films: Composition, Production and Applications in Wound Healing and Skin Repair. Pharmaceutics, 2021, 13, 1199.	4.5	13
64	Neoplastic Multifocal Skin Lesions: Biology, Etiology, and Targeted Therapies for Nonmelanoma Skin Cancers. Skin Pharmacology and Physiology, 2018, 31, 59-73.	2.5	12
65	State of the Art on Toxicological Mechanisms of Metal and Metal Oxide Nanoparticles and Strategies to Reduce Toxicological Risks. Toxics, 2021, 9, 195.	3.7	11
66	DABCO-Customized Nanoemulsions: Characterization, Cell Viability and Genotoxicity in Retinal Pigmented Epithelium and Microglia Cells. Pharmaceutics, 2021, 13, 1652.	4.5	11
67	Mono- and Dicationic DABCO/Quinuclidine Composed Nanomaterials for the Loading of Steroidal Drug: 32 Factorial Design and Physicochemical Characterization. Nanomaterials, 2021, 11, 2758.	4.1	9
68	Customized cationic nanoemulsions loading triamcinolone acetonide for corneal neovascularization secondary to inflammatory processes. International Journal of Pharmaceutics, 2022, 623, 121938.	5.2	9
69	Lipid Vesicles Loaded with an HIV-1 Fusion Inhibitor Peptide as a Potential Microbicide. Pharmaceutics, 2020, 12, 502.	4.5	8
70	Lipid Nanocarriers for Hyperproliferative Skin Diseases. Cancers, 2021, 13, 5619.	3.7	8
71	Dexibuprofen ameliorates peripheral and central risk factors associated with Alzheimerâ€™s disease in metabolically stressed APPswe/PS1dE9 mice. Cell and Bioscience, 2021, 11, 141.	4.8	7
72	Permeability, anti-inflammatory and anti-VEGF profiles of steroidal-loaded cationic nanoemulsions in retinal pigment epithelial cells under oxidative stress. International Journal of Pharmaceutics, 2022, 617, 121615.	5.2	7

#	Article	IF	Citations
73	The preclinical discovery and development of opicapone for the treatment of Parkinsonâ€™s disease. Expert Opinion on Drug Discovery, 2020, 15, 993-1003.	5.0	5
74	Nanotechnology-Based Platforms for Vaginal Delivery of Peptide Microbicides. Current Medicinal Chemistry, 2021, 28, 4356-4379.	2.4	5
75	Retinal Drug Delivery: Rethinking Outcomes for the Efficient Replication of Retinal Behavior. Applied Sciences (Switzerland), 2020, 10, 4258.	2.5	4
76	Diabetic Retinopathy and Ocular Melanoma: How Far We Are?. Applied Sciences (Switzerland), 2020, 10, 2777.	2.5	1
77	Nanotherapeutics and nanotheragnostics for cancers: properties, pharmacokinetics, biopharmaceutics, and biosafety. Current Pharmaceutical Design, 2021, 27, .	1.9	1
78	Dexibuprofen loaded PEGylated nanospheres for Alzheimerâ€™s disease treatment. Journal of Controlled Release, 2017, 259, e29-e30.	9.9	0
79	Multifokale Neoplasien der Haut: Biologie, Ã„tiologie und zielgerichtete Therapien von nicht-melanozytÃ¤rem Hautkrebs. Karger Kompass Dermatologie, 2018, 6, 135-146.	0.0	0
80	Peripheral and central effects of dexibuprofen on APP/PS1 mice fed with an obesogenic diet. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-16.	0.0	0
81	Design of nanoparticles functionalized with cell penetrating peptides for the treatment of Alzheimer's disease. , 0, , .		0