Francesca Re

List of Publications by Year
in descending order

58 papers	2,463 citations	236925 25 h-index	206112 48 g-index
59 all docs	59 docs citations	59 times ranked	3481 citing authors

#	Article	IF	Citations
1	Lipid-based nanoparticles with high binding affinity for amyloid-Î²1â€"42 peptide. Biomaterials, 2010, 31, 6519-6529.	11.4	190
2	Functionalization of liposomes with ApoE-derived peptides at different density affects cellular uptake and drug transport across a blood-brain barrier model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 551-559.	3.3	149
3	Multifunctional Liposomes Reduce Brain Î²-Amyloid Burden and Ameliorate Memory Impairment in Alzheimer's Disease Mouse Models. Journal of Neuroscience, 2014, 34, 14022-14031.	3.6	141
4	Evolution of Nanoparticle Protein Corona across the Bloodâ€"Brain Barrier. ACS Nano, 2018, 12, 7292-7300.	14.6	137
5	Effect of curcumin-associated and lipid ligand-functionalized nanoliposomes on aggregation of the Alzheimer's AÎ² peptide. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 541-550.	3.3	122
6	Liposomes bi-functionalized with phosphatidic acid and an ApoE-derived peptide affect AÎ² aggregation features and cross the bloodâ€"brain-barrier: Implications for therapy of Alzheimer disease. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1583-1590.	3.3	121
7	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 609-618.	3.3	109
8	Nanotechnology for neurodegenerative disorders. Maturitas, 2012, 73, 45-51.	2.4	107
9	Functionalization with ApoE-derived peptides enhances the interaction with brain capillary endothelial cells of nanoliposomes binding amyloid-beta peptide. Journal of Biotechnology, 2011, 156, 341-346.	3.8	92
10	The binding affinity of anti-AÎ²1-42ÂMAb-decorated nanoliposomes to AÎ²1-42Âpeptides inÂvitro and to amyloid deposits in post-mortem tissue. Biomaterials, 2011, 32, 5489-5497.	11.4	76
11	Nanotechnology for neurodegenerative disorders. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, S51-S58.	3.3	68
12	Repeated intraperitoneal injections of liposomes containing phosphatidic acid and cardiolipin reduce amyloid-Î² levels in APP/PS1 transgenic mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 421-430.	3.3	68
13	Intranasal delivery of mesenchymal stem cell secretome repairs the brain of Alzheimerâ€™s mice. Cell Death and Differentiation, 2021, 28, 203-218.	11.2	63
14	Applications of Surface Plasmon Resonance (SPR) for the Characterization of Nanoparticles Developed for Biomedical Purposes. Sensors, 2012, 12, 16420-16432.	3.8	59
15	Liposomes functionalized to overcome the blood–brain barrier and to target amyloid-β peptide: the chemical design affects the permeability across an in vitro model. International Journal of Nanomedicine, 2013, 8, 1749.	6.7	54
16	Retro-inverso peptide inhibitor nanoparticles as potent inhibitors of aggregation of the Alzheimer's AÎ² peptide. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 723-732.	3.3	47
17	The hunt for brain AÎ² oligomers by peripherally circulating multi-functional nanoparticles: Potential therapeutic approach for Alzheimer disease. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 43-52.	3.3	46
18	Mesoporous silica nanoparticles trigger mitophagy in endothelial cells and perturb neuronal network activity in a size- and time-dependent manner. International Journal of Nanomedicine, 2017, Volume 12, 3547-3559.	6.7	46

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19	PEGylated solid lipid nanoparticles for brain delivery of lipophilic kiteplatin Pt(IV) prodrugs: An in vitro study. International Journal of Pharmaceutics, 2020, 583, 119351.	5.2	45
20	Self-Assembled Electrical Biodetector Based on Reduced Graphene Oxide. ACS Nano, 2012, 6, 5514-5520.	14.6	44
21	The Extent of Human Apolipoprotein A-I Lipidation Strongly Affects the Î²-Amyloid Efflux Across the Blood-Brain Barrier in vitro. Frontiers in Neuroscience, 2019, 13, 419.	2.8	42
22	Multifunctional liposomes delay phenotype progression and prevent memory impairment in a presymptomatic stage mouse model of Alzheimer disease. Journal of Controlled Release, 2017, 258, 121-129.	9.9	40
23	Nanomedicine for the Treatment of Alzheimer's Disease. Journal of Biomedical Nanotechnology, 2019, 15, 1997-2024.	1.1	36
24	Membrane Features and Activity of GPI-Anchored Enzymes: Alkaline Phosphatase Reconstituted in Model Membranes. Biochemistry, 2008, 47, 5433-5440.	2.5	32
25	TrkA pathway activation induced by amyloid-beta (Abeta). Molecular and Cellular Neurosciences, 2009, 40, 365-373.	2.2	32
26	Liposomes functionalized with acidic lipids rescue AÎ²-induced toxicity in murine neuroblastoma cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 560-571.	3.3	27
27	Multifunctional liposomes interact with Abeta in human biological fluids: Therapeutic implications for Alzheimer's disease. Neurochemistry International, 2017, 108, 60-65.	3.8	26
28	Protein-functionalized nanoparticles derived from end-functional polymers and polymer prodrugs for crossing the blood-brain barrier. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 70-82.	4.3	26
29	Phage-displayed peptides targeting specific tissues and organs. Journal of Drug Targeting, 2019, 27, 555-565.	4.4	26
30	Prion protein structure is affected by pHâ€dependent interaction with membranes: A study in a model system. FEBS Letters, 2008, 582, 215-220.	2.8	25
31	Investigation of Functionalized Poly(<i>N</i>,<i>N</i>â€dimethylacrylamide)â€<i>block</i>â€polystyrene Nanoparticles As Novel Drug Delivery System to Overcome the Bloodâ€"Brain Barrier In Vitro. Macromolecular Bioscience, 2015, 15, 1687-1697.	4.1	24
32	Differential Exchange of Multifunctional Liposomes Between Glioblastoma Cells and Healthy Astrocytes via Tunneling Nanotubes. Frontiers in Bioengineering and Biotechnology, 2019, 7, 403.	4.1	24
33	An update of nanoparticle-based approaches for glioblastoma multiforme immunotherapy. Nanomedicine, 2020, 15, 1861-1871.	3.3	23
34	Novel Antitransferrin Receptor Antibodies Improve the Bloodâ€"Brain Barrier Crossing Efficacy of Immunoliposomes. Journal of Pharmaceutical Sciences, 2016, 105, 276-283.	3.3	22
35	Abeta Peptide Toxicity is Reduced After Treatments Decreasing Phosphatidylethanolamine Content in Differentiated Neuroblastoma Cells. Neurochemical Research, 2011, 36, 863-869.	3.3	21
36	The synergistic effect of chlorotoxin-mApoE in boosting drug-loaded liposomes across the BBB. Journal of Nanobiotechnology, 2019, 17, 115.	9.1	20

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37	Coupling quaternary ammonium surfactants to the surface of liposomes improves both antibacterial efficacy and host cell biocompatibility. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 149, 12-20.	4.3	19
38	H-Ferritin nanoparticle-mediated delivery of antibodies across a BBB <i>in vitro</i> model for treatment of brain malignancies. Biomaterials Science, 2021, 9, 2032-2042.	5.4	19
39	Modulation of the intrinsic neuronal excitability by multifunctional liposomes tailored for the treatment of Alzheimer's disease. International Journal of Nanomedicine, 2018, Volume 13, 4059-4071.	6.7	18
40	Applicability of [11 C]PIB micro-PET imaging for inÂvivo follow-up of anti-amyloid treatment effects in APP23 mouse model. Neurobiology of Aging, 2017, 57, 84-94.	3.1	17
41	Pulmonary administration of functionalized nanoparticles significantly reduces beta-amyloid in the brain of an Alzheimerâ€™s disease murine model. Nano Research, 2016, 9, 2190-2201.	10.4	13
42	The 3.0 Cell Communication: New Insights in the Usefulness of Tunneling Nanotubes for Glioblastoma Treatment. Cancers, 2021, 13, 4001.	3.7	13
43	Effect of nanoparticles binding ß-amyloid peptide on nitric oxide production by cultured endothelial cells and macrophages. International Journal of Nanomedicine, 2013, 8, 1335.	6.7	11
44	Fluorimetric detection of the earliest events in amyloid Î² oligomerization and its inhibition by pharmacologically active liposomes. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 746-756.	2.4	11
45	The ability of liposomes, tailored for bloodâ€“brain barrier targeting, to reach the brain is dramatically affected by the disease state. Nanomedicine, 2018, 13, 585-594.	3.3	11
46	The Clustering of mApoE Anti-Amyloidogenic Peptide on Nanoparticle Surface Does Not Alter Its Performance in Controlling Beta-Amyloid Aggregation. International Journal of Molecular Sciences, 2020, 21, 1066.	4.1	10
47	Small Hexokinase 1 Peptide against Toxic SOD1 G93A Mitochondrial Accumulation in ALS Rescues the ATP-Related Respiration. Biomedicines, 2021, 9, 948.	3.2	10
48	Givinostat-Liposomes: Anti-Tumor Effect on 2D and 3D Glioblastoma Models and Pharmacokinetics. Cancers, 2022, 14, 2978.	3.7	10
49	Radiation and Adjuvant Drug-Loaded Liposomes target Glioblastoma Stem Cells and Trigger <i>In-situ</i> Immune Response. Neuro-Oncology Advances, 2021, 3, vdab076.	0.7	9
50	Molecular dynamics simulations of doxorubicin in sphingomyelin-based lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183763.	2.6	9
51	Reduced Levels of ABCA1 Transporter Are Responsible for the Cholesterol Efflux Impairment in Î²-Amyloid-Induced Reactive Astrocytes: Potential Rescue from Biomimetic HDLs. International Journal of Molecular Sciences, 2022, 23, 102.	4.1	9
52	Enhanced folate binding of cultured fibroblasts from Alzheimer's disease patients. Neuroscience Letters, 2008, 436, 317-320.	2.1	8
53	A New Approach for Glyco-Functionalization of Collagen-Based Biomaterials. International Journal of Molecular Sciences, 2019, 20, 1747.	4.1	7
54	Oxidative Stress Boosts the Uptake of Cerium Oxide Nanoparticles by Changing Brain Endothelium Microvilli Pattern. Antioxidants, 2021, 10, 266.	5.1	7

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55	Î²-amyloid (25â€"35) enhances lipid metabolism and protein ubiquitination in cultured neurons. Journal of Neuroscience Research, 2007, 85, 2253-2261.	2.9	6
56	18 F-labeling syntheses and preclinical evaluation of functionalized nanoliposomes for Alzheimer's disease. European Journal of Pharmaceutical Sciences, 2016, 88, 257-266.	4.0	6
57	Multifunctional Liposomes Modulate Purinergic Receptor-Induced Calcium Wave in Cerebral Microvascular Endothelial Cells and Astrocytes: New Insights for Alzheimerâ€™s disease. Molecular Neurobiology, 2021, 58, 2824-2835.	4.0	5
58	Dietary Nanoparticles Interact with Gluten Peptides and Alter the Intestinal Homeostasis Increasing the Risk of Celiac Disease. International Journal of Molecular Sciences, 2021, 22, 6102.	4.1	5