Bernard Verrier

List of Publications by Year
in descending order

45 papers	2,146 citations	236612 25 h-index	233125 45 g-index
45 all docs	45 docs citations	45 times ranked	3118 citing authors

#	Article	IF	Citations
1	Investigation of Polylactic Acid (PLA) Nanoparticles as Drug Delivery Systems for Local Dermatotherapy. Pharmaceutical Research, 2009, 26, 2027-2036.	1.7	208
2	Tailoring mRNA Vaccine to Balance Innate/Adaptive Immune Response. Trends in Molecular Medicine, 2020, 26, 311-323.	3.5	203
3	Neutrophils Transport Antigen from the Dermis to the Bone Marrow, Initiating a Source of Memory CD8+ T Cells. Immunity, 2012, 37, 917-929.	6.6	160
4	Poly(lactic acid) nanoparticles and cell-penetrating peptide potentiate mRNA-based vaccine expression in dendritic cells triggering their activation. Biomaterials, 2019, 195, 23-37.	5.7	132
5	Surfactant-free anionic PLA nanoparticles coated with HIV-1 p24 protein induced enhanced cellular and humoral immune responses in various animal models. Journal of Controlled Release, 2006, 112, 175-185.	4.8	117
6	Nanoparticle-Based Targeting of Vaccine Compounds to Skin Antigen-Presenting Cells By Hair Follicles and their Transport in Mice. Journal of Investigative Dermatology, 2009, 129, 1156-1164.	0.3	114
7	Biodegradable Polymeric Nanoparticles-Based Vaccine Adjuvants for Lymph Nodes Targeting. Vaccines, 2016, 4, 34.	2.1	101
8	Poly(lactic acid) and poly(lactic-<i>co</i>-glycolic acid) particles as versatile carrier platforms for vaccine delivery. Nanomedicine, 2014, 9, 2703-2718.	1.7	98
9	Encapsulation of Nod1 and Nod2 receptor ligands into poly(lactic acid) nanoparticles potentiates their immune properties. Journal of Controlled Release, 2013, 167, 60-67.	4.8	79
10	Coadsorption of HIV-1 p24 and gp120 proteins to surfactant-free anionic PLA nanoparticles preserves antigenicity and immunogenicity. Journal of Controlled Release, 2006, 115, 57-67.	4.8	73
11	Intradermal Immunization Triggers Epidermal Langerhans Cell Mobilization Required for CD8 T-Cell Immune Responses. Journal of Investigative Dermatology, 2012, 132, 615-625.	0.3	61
12	Cutting Edge: New Chimeric NOD2/TLR2 Adjuvant Drastically Increases Vaccine Immunogenicity. Journal of Immunology, 2014, 193, 5781-5785.	0.4	59
13	Dendritic cells loaded with HIV-1 p24 proteins adsorbed on surfactant-free anionic PLA nanoparticles induce enhanced cellular immune responses against HIV-1 after vaccination. Vaccine, 2009, 27, 5284-5291.	1.7	57
14	Targeting of HIV-p24 particle-based vaccine into differential skin layers induces distinct arms of the immune responses. Vaccine, 2011, 29, 6379-6391.	1.7	57
15	Triggering Intracellular Receptors for Vaccine Adjuvantation. Trends in Immunology, 2016, 37, 573-587.	2.9	54
16	Micelle-Based Adjuvants for Subunit Vaccine Delivery. Vaccines, 2015, 3, 803-813.	2.1	51
17	Directing vaccine immune responses to mucosa by nanosized particulate carriers encapsulating NOD ligands. Biomaterials, 2016, 75, 327-339.	5.7	43
18	Formulation of HIV-1 Tat and p24 antigens by PLA nanoparticles or MF59 impacts the breadth, but not the magnitude, of serum and faecal antibody responses in rabbits. Vaccine, 2007, 25, 7491-7501.	1.7	37

#	Article	IF	Citations
19	Cutting Edge: A Dual TLR2 and TLR7 Ligand Induces Highly Potent Humoral and Cell-Mediated Immune Responses. Journal of Immunology, 2017, 198, 4205-4209.	0.4	34
20	Stability of polylactic acid particles and release of fluorochromes upon topical application on human skin explants. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 76-84.	2.0	32
21	Preparation and In Vitro Evaluation of Imiquimod Loaded Polylactide-based Micelles as Potential Vaccine Adjuvants. Pharmaceutical Research, 2015, 32, 311-320.	1.7	31
22	Polylactide-Based Reactive Micelles as a Robust Platform for mRNA Delivery. Pharmaceutical Research, 2020, 37, 30.	1.7	31
23	Delivery of antigen to nasal-associated lymphoid tissue microfold cells through secretory IgA targeting local dendritic cells confers protective immunity. Journal of Allergy and Clinical Immunology, 2016, 137, 214-222.e2.	1.5	30
24	Development of an antibacterial nanocomposite hydrogel for human dental pulp engineering. Journal of Materials Chemistry B, 2020, 8, 8422-8432.	2.9	29
25	Particle-based transcutaneous administration of HIV-1 p24 protein to human skin explants and targeting of epidermal antigen presenting cells. Journal of Controlled Release, 2014, 176, 115-122.	4.8	25
26	Elaboration of Glycopolymer-Functionalized Micelles from an<i>N</i>-Vinylpyrrolidone/Lactide-Based Reactive Copolymer Platform. Macromolecular Bioscience, 2013, 13, 1213-1220.	2.1	24
27	Elaboration of densely functionalized polylactide nanoparticles from <i>N</i>â€acryloxysuccinimideâ€based block copolymers. Journal of Polymer Science Part A, 2011, 49, 1341-1350.	2.5	22
28	Combining an optimized mRNA template with a double purification process allows strong expression of inÂvitro transcribed mRNA. Molecular Therapy - Nucleic Acids, 2021, 26, 945-956.	2.3	21
29	Loading dendritic cells with PLA-p24 nanoparticles or MVA expressing HIV genes induces HIV-1-specific T cell responses. Vaccine, 2014, 32, 6266-6276.	1.7	20
30	New chimeric TLR7/NOD2 agonist is a potent adjuvant to induce mucosal immune responses. EBioMedicine, 2020, 58, 102922.	2.7	19
31	Antibiotic incorporation in jet-sprayed nanofibrillar biodegradable scaffolds for wound healing. International Journal of Pharmaceutics, 2017, 532, 802-812.	2.6	18
32	Seaweed Sulfated Polysaccharides against Respiratory Viral Infections. Pharmaceutics, 2021, 13, 733.	2.0	15
33	Generation of HIV-1 potent and broad neutralizing antibodies by immunization with postfusion HR1/HR2 complex. Aids, 2013, 27, 717-730.	1.0	14
34	Secretory IgA specific for MPER can protect from HIV-1 infection in vitro. Aids, 2013, 27, 1992-1995.	1.0	12
35	Molecular modelling of TLR agonist Pam3CSK4 entrapment in PLA nanoparticles as a tool to explain loading efficiency and functionality. International Journal of Pharmaceutics, 2019, 568, 118569.	2.6	11
36	Controlled association and delivery of nanoparticles from jet-sprayed hybrid microfibrillar matrices. Colloids and Surfaces B: Biointerfaces, 2016, 140, 142-149.	2.5	10

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37	Self-assembled amphiphilic copolymers as dual delivery system for immunotherapy. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 232-239.	2.0	10
38	Autophagy and Mitophagy-Related Pathways at the Crossroads of Genetic Pathways Involved in Familial Sarcoidosis and Host-Pathogen Interactions Induced by Coronaviruses. Cells, 2021, 10, 1995.	1.8	9
39	Biodistribution of surfactant-free poly(lactic-acid) nanoparticles and uptake by endothelial cells and phagocytes in zebrafish: Evidence for endothelium to macrophage transfer.. Journal of Controlled Release, 2021, 331, 228-245.	4.8	8
40	Improving bioassay sensitivity through immobilization of bio-probes onto reactive micelles. Chemical Communications, 2017, 53, 8062-8065.	2.2	5
41	Design and Evaluation of Autophagy-Inducing Particles for the Treatment of Abnormal Lipid Accumulation. Pharmaceutics, 2022, 14, 1379.	2.0	4
42	A Polylactide-Based Micellar Adjuvant Improves the Intensity and Quality of Immune Response. Pharmaceutics, 2022, 14, 107.	2.0	3
43	Recombinant Haemagglutinin Derived From the Ciliated Protozoan Tetrahymena thermophila Is Protective Against Influenza Infection. Frontiers in Immunology, 2019, 10, 2661.	2.2	2
44	Comparison of Physicochemical Properties of LipoParticles as mRNA Carrier Prepared by Automated Microfluidic System and Bulk Method. Pharmaceutics, 2022, 14, 1297.	2.0	2
45	First Membrane Proximal External Regionâ€“Specific Anti-HIV1 Broadly Neutralizing Monoclonal IgA1 Presenting Short CDRH3 and Low Somatic Mutations. Journal of Immunology, 2016, 197, 1979-1988.	0.4	1