Akhilesh Kumar Shakya

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6657933/publications.pdf

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31	910	516215 16	525886 27
papers	citations	h-index	g-index

32	32	32	1393
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalized cryogel monoliths for fast and selective separation of nucleic acids directly from crude lysate. Biomedical Chromatography, 2022, 36, e5333.	0.8	4
2	Targeted allergen-specific immunotherapy within the skin improves allergen delivery to induce desensitization to peanut. Immunotherapy, 2022, 14, 539-552.	1.0	19
3	Treating allergies via skin â€“ Recent advances in cutaneous allergen immunotherapy. Advanced Drug Delivery Reviews, 2022, 190, 114458.	6.6	5
4	Microneedle-Mediated Allergen-Specific Immunotherapy for the Treatment of Airway Allergy in Mice. Molecular Pharmaceutics, 2020, 17, 3033-3042.	2.3	18
5	Microneedles coated with peanut allergen enable desensitization of peanut sensitized mice. Journal of Controlled Release, 2019, 314, 38-47.	4.8	36
6	Nanobiocatalysts for Industrial Applications. , 2019, , 553-562.		0
7	An update on smart biocatalysts for industrial and biomedical applications. Journal of the Royal Society Interface, 2018, 15, 20180062.	1.5	34
8	Antigen-Specific Tolerization and Targeted Delivery as Therapeutic Strategies for Autoimmune Diseases. Trends in Biotechnology, 2018, 36, 686-699.	4.9	36
9	Assessment of Th1/Th2 Bias of STING Agonists Coated on Microneedles for Possible Use in Skin Allergen Immunotherapy. Molecular Pharmaceutics, 2018, 15, 5437-5443.	2.3	28
10	Coated microneedle-based cutaneous immunotherapy prevents Der p 1â€“induced airway allergy in mice. Journal of Allergy and Clinical Immunology, 2018, 142, 2007-2011.e3.	1.5	19
11	Biomaterials for Induction and Treatment of Autoimmunity. Advanced Structured Materials, 2017, , 167-184.	0.3	0
12	Consensus M2e peptide conjugated to gold nanoparticles confers protection against H1N1, H3N2 and H5N1 influenza A viruses. Antiviral Research, 2017, 141, 62-72.	1.9	95
13	Three-dimensional macroporous materials for tissue engineering of craniofacial bone. British Journal of Oral and Maxillofacial Surgery, 2017, 55, 875-891.	0.4	26
14	Cutaneous vaccination with coated microneedles prevents development of airway allergy. Journal of Controlled Release, 2017, 265, 75-82.	4.8	46
15	Applications of Nanomaterials for Activation and Suppression of Immune Responses. , 2017, , 859-875.		0
16	Macrophageâ€derived reactive oxygen species protects against autoimmune priming with a defined polymeric adjuvant. Immunology, 2016, 147, 125-132.	2.0	12
17	Mucosal vaccine delivery: Current state and a pediatric perspective. Journal of Controlled Release, 2016, 240, 394-413.	4.8	119
18	Polymeric Cryogelâ€Based Boronate Affinity Chromatography for Separation of Ribonucleic Acid from Bacterial Extracts. Current Protocols in Nucleic Acid Chemistry, 2015, 63, 10.16.1-10.16.10.	0.5	4

#	Article	IF	Citations
19	A comparative study of microneedle-based cutaneous immunization with other conventional routes to assess feasibility of microneedles for allergy immunotherapy. Vaccine, 2015, 33, 4060-4064.	1.7	24
20	Fabrication of macroporous cryogels as potential hepatocyte carriers for bioartificial liver support. Colloids and Surfaces B: Biointerfaces, 2015, 136, 761-771.	2.5	45
21	Applications of Nanomaterials for Activation and Suppression of Immune Responses. Advances in Chemical and Materials Engineering Book Series, 2015, , 205-220.	0.2	0
22	Chemical cross-linking abrogates adjuvant potential of natural polymers. RSC Advances, 2014, 4, 13817-13821.	1.7	2
23	Synthetic Polymer as an Adjuvant in Collagenâ€Induced Arthritis. Current Protocols in Mouse Biology, 2014, 4, 11-24.	1.2	7
24	Polymeric cryogels are biocompatible, and their biodegradation is independent of oxidative radicals. Journal of Biomedical Materials Research - Part A, 2014, 102, 3409-3418.	2.1	32
25	Applications of polymeric adjuvants in studying autoimmune responses and vaccination against infectious diseases. Journal of the Royal Society Interface, 2013, 10, 20120536.	1.5	73
26	Characterization of chemically defined poly-N-isopropylacrylamide based copolymeric adjuvants. Vaccine, 2013, 31, 3519-3527.	1.7	12
27	Boronate affinity chromatography of cells and biomacromolecules using cryogel matrices. Enzyme and Microbial Technology, 2012, 51, 373-381.	1.6	53
28	Collagen Type II and a Thermo-Responsive Polymer of N-Isopropylacrylamide Induce Arthritis Independent of Toll-Like Receptors. American Journal of Pathology, 2011, 179, 2490-2500.	1.9	11
29	Adjuvant properties of a biocompatible thermo-responsive polymer of N -isopropylacrylamide in autoimmunity and arthritis. Journal of the Royal Society Interface, 2011, 8, 1748-1759.	1.5	28
30	Stability of responsive polymerâ€“protein bioconjugates. Progress in Polymer Science, 2010, 35, 459-486.	11.8	94
31	Synthesis and characterization of thermo-responsive poly(N-isopropylacrylamide)-bovine liver catalase bioconjugate. Enzyme and Microbial Technology, 2010, 47, 277-282.	1.6	27