

Akhilesh Kumar Shakya

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

910
citations

516215

16
h-index

525886

27
g-index

32
all docs

32
docs citations

32
times ranked

1393
citing authors

#	ARTICLE	IF	CITATIONS
1	Mucosal vaccine delivery: Current state and a pediatric perspective. <i>Journal of Controlled Release</i> , 2016, 240, 394-413.	4.8	119
2	Consensus M2e peptide conjugated to gold nanoparticles confers protection against H1N1, H3N2 and H5N1 influenza A viruses. <i>Antiviral Research</i> , 2017, 141, 62-72.	1.9	95
3	Stability of responsive polymer-protein bioconjugates. <i>Progress in Polymer Science</i> , 2010, 35, 459-486.	11.8	94
4	Applications of polymeric adjuvants in studying autoimmune responses and vaccination against infectious diseases. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120536.	1.5	73
5	Boronate affinity chromatography of cells and biomacromolecules using cryogel matrices. <i>Enzyme and Microbial Technology</i> , 2012, 51, 373-381.	1.6	53
6	Cutaneous vaccination with coated microneedles prevents development of airway allergy. <i>Journal of Controlled Release</i> , 2017, 265, 75-82.	4.8	46
7	Fabrication of macroporous cryogels as potential hepatocyte carriers for bioartificial liver support. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 761-771.	2.5	45
8	Antigen-Specific Tolerization and Targeted Delivery as Therapeutic Strategies for Autoimmune Diseases. <i>Trends in Biotechnology</i> , 2018, 36, 686-699.	4.9	36
9	Microneedles coated with peanut allergen enable desensitization of peanut sensitized mice. <i>Journal of Controlled Release</i> , 2019, 314, 38-47.	4.8	36
10	An update on smart biocatalysts for industrial and biomedical applications. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180062.	1.5	34
11	Polymeric cryogels are biocompatible, and their biodegradation is independent of oxidative radicals. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3409-3418.	2.1	32
12	Adjuvant properties of a biocompatible thermo-responsive polymer of N-isopropylacrylamide in autoimmunity and arthritis. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1748-1759.	1.5	28
13	Assessment of Th1/Th2 Bias of STING Agonists Coated on Microneedles for Possible Use in Skin Allergen Immunotherapy. <i>Molecular Pharmaceutics</i> , 2018, 15, 5437-5443.	2.3	28
14	Synthesis and characterization of thermo-responsive poly(N-isopropylacrylamide)-bovine liver catalase bioconjugate. <i>Enzyme and Microbial Technology</i> , 2010, 47, 277-282.	1.6	27
15	Three-dimensional macroporous materials for tissue engineering of craniofacial bone. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2017, 55, 875-891.	0.4	26
16	A comparative study of microneedle-based cutaneous immunization with other conventional routes to assess feasibility of microneedles for allergy immunotherapy. <i>Vaccine</i> , 2015, 33, 4060-4064.	1.7	24
17	Coated microneedle-based cutaneous immunotherapy prevents Der p 1-induced airway allergy in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 2007-2011.e3.	1.5	19
18	Targeted allergen-specific immunotherapy within the skin improves allergen delivery to induce desensitization to peanut. <i>Immunotherapy</i> , 2022, 14, 539-552.	1.0	19

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19	Microneedle-Mediated Allergen-Specific Immunotherapy for the Treatment of Airway Allergy in Mice. <i>Molecular Pharmaceutics</i> , 2020, 17, 3033-3042.	2.3	18
20	Characterization of chemically defined poly-N-isopropylacrylamide based copolymeric adjuvants. <i>Vaccine</i> , 2013, 31, 3519-3527.	1.7	12
21	Macrophage-derived reactive oxygen species protects against autoimmune priming with a defined polymeric adjuvant. <i>Immunology</i> , 2016, 147, 125-132.	2.0	12
22	Collagen Type II and a Thermo-Responsive Polymer of N-Isopropylacrylamide Induce Arthritis Independent of Toll-Like Receptors. <i>American Journal of Pathology</i> , 2011, 179, 2490-2500.	1.9	11
23	Synthetic Polymer as an Adjuvant in Collagen-Induced Arthritis. <i>Current Protocols in Mouse Biology</i> , 2014, 4, 11-24.	1.2	7
24	Treating allergies via skin – Recent advances in cutaneous allergen immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2022, 190, 114458.	6.6	5
25	Polymeric Cryogel-Based Boronate Affinity Chromatography for Separation of Ribonucleic Acid from Bacterial Extracts. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2015, 63, 10.16.1-10.16.10.	0.5	4
26	Functionalized cryogel monoliths for fast and selective separation of nucleic acids directly from crude lysate. <i>Biomedical Chromatography</i> , 2022, 36, e5333.	0.8	4
27	Chemical cross-linking abrogates adjuvant potential of natural polymers. <i>RSC Advances</i> , 2014, 4, 13817-13821.	1.7	2
28	Biomaterials for Induction and Treatment of Autoimmunity. <i>Advanced Structured Materials</i> , 2017, , 167-184.	0.3	0
29	Nanobiocatalysts for Industrial Applications. , 2019, , 553-562.		0
30	Applications of Nanomaterials for Activation and Suppression of Immune Responses. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2015, , 205-220.	0.2	0
31	Applications of Nanomaterials for Activation and Suppression of Immune Responses. , 2017, , 859-875.		0