Neil P King

List of Publications by Year
in descending order

55 papers	8,671 citations	159585 30 h-index	189892 50 g-index
80 all docs	80 docs citations	80 times ranked	12591 citing authors

#	Article	IF	Citations
1	Mannose-binding lectin and complement mediate follicular localization and enhanced immunogenicity of diverse protein nanoparticle immunogens. Cell Reports, 2022, 38, 110217.	6.4	29
2	Structure-based design of stabilized recombinant influenza neuraminidase tetramers. Nature Communications, 2022, 13, 1825.	12.8	21
3	Computational design of mechanically coupled axle-rotor protein assemblies. Science, 2022, 376, 383-390.	12.6	33
4	Engineering Self-Assembling Protein Nanoparticles for Therapeutic Delivery. Bioconjugate Chemistry, 2022, 33, 2018-2034.	3.6	28
5	Epitope-focused immunogen design based on the ebolavirus glycoprotein HR2-MPER region. PLoS Pathogens, 2022, 18, e1010518.	4.7	5
6	Adjuvanting a subunit SARS-CoV-2 vaccine with clinically relevant adjuvants induces durable protection in mice. Npj Vaccines, 2022, 7, .	6.0	32
7	Structure, receptor recognition, and antigenicity of the human coronavirus CCoV-HuPn-2018 spike glycoprotein. Cell, 2022, 185, 2279-2291.e17.	28.9	25
8	Immunization with a self-assembling nanoparticle vaccine displaying EBV gH/gL protects humanized mice against lethal viral challenge. Cell Reports Medicine, 2022, 3, 100658.	6.5	12
9	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. Journal of Infectious Diseases, 2021, 223, 197-205.	4.0	216
10	Functional SARS-CoV-2-Specific Immune Memory Persists after Mild COVID-19. Cell, 2021, 184, 169-183.e17.	28.9	580
11	Immunofocusing and enhancing autologous Tier-2 HIV-1 neutralization by displaying Env trimers on two-component protein nanoparticles. Npj Vaccines, 2021, 6, 24.	6.0	33
12	Complete and cooperative in vitro assembly of computationally designed self-assembling protein nanomaterials. Nature Communications, 2021, 12, 883.	12.8	42
13	In silico detection of SARS-CoV-2 specific B-cell epitopes and validation in ELISA for serological diagnosis of COVID-19. Scientific Reports, 2021, 11, 4290.	3.3	22
14	Two-component spike nanoparticle vaccine protects macaques from SARS-CoV-2 infection. Cell, 2021, 184, 1188-1200.e19.	28.9	154
15	Multimeric antibodies from antigen-specific human IgM+ memory B cells restrict Plasmodium parasites. Journal of Experimental Medicine, 2021, 218, .	8.5	23
16	Quadrivalent influenza nanoparticle vaccines induce broad protection. Nature, 2021, 592, 623-628.	27.8	180
17	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. Nature, 2021, 594, 253-258.	27.8	253
18	Designed proteins assemble antibodies into modular nanocages. Science, 2021, 372, .	12.6	104

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19	Stabilization of the SARS-CoV-2 Spike Receptor-Binding Domain Using Deep Mutational Scanning and Structure-Based Design. Frontiers in Immunology, 2021, 12, 710263.	4.8	32
20	Structure-based design of novel polyhedral protein nanomaterials. Current Opinion in Microbiology, 2021, 61, 51-57.	5.1	24
21	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. Nature Communications, 2021, 12, 4817.	12.8	35
22	Hallmarks of icosahedral virus capsids emerged during laboratory evolution of a bacterial enzyme. Trends in Biochemical Sciences, 2021, 46, 863-865.	7.5	1
23	Limited access to antigen drives generation of early B cell memory while restraining the plasmablast response. Immunity, 2021, 54, 2005-2023.e10.	14.3	46
24	Qualification of ELISA and neutralization methodologies to measure SARS-CoV-2 humoral immunity using human clinical samples. Journal of Immunological Methods, 2021, 499, 113160.	1.4	12
25	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines. Cell, 2021, 184, 5432-5447.e16.	28.9	131
26	Engineered SARS-CoV-2 receptor binding domain improves manufacturability in yeast and immunogenicity in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	68
27	Airway antibodies emerge according to COVID-19 severity and wane rapidly but reappear after SARS-CoV-2 vaccination. JCI Insight, 2021, 6, .	5.0	27
28	Aldehyde Oxidase Contributes to All-Trans-Retinoic Acid Biosynthesis in Human Liver. Drug Metabolism and Disposition, 2021, 49, 202-211.	3.3	13
29	Design and structure of two new protein cages illustrate successes and ongoing challenges in protein engineering. Protein Science, 2020, 29, 919-929.	7.6	32
30	A Potent Anti-Malarial Human Monoclonal Antibody Targets Circumsporozoite Protein Minor Repeats and Neutralizes Sporozoites in the Liver. Immunity, 2020, 53, 733-744.e8.	14.3	99
31	Structural and functional evaluation of de novo-designed, two-component nanoparticle carriers for HIV Env trimer immunogens. PLoS Pathogens, 2020, 16, e1008665.	4.7	52
32	Deep Mutational Scanning of SARS-CoV-2 Receptor Binding Domain Reveals Constraints on Folding and ACE2 Binding. Cell, 2020, 182, 1295-1310.e20.	28.9	1,726
33	Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2. Cell, 2020, 183, 1367-1382.e17.	28.9	420
34	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak. Nature Communications, 2020, 11, 4378.	12.8	63
35	Targeting HIV Env immunogens to B cell follicles in nonhuman primates through immune complex or protein nanoparticle formulations. Npj Vaccines, 2020, 5, 72.	6.0	39
36	Protocol and Reagents for Pseudotyping Lentiviral Particles with SARS-CoV-2 Spike Protein for Neutralization Assays. Viruses, 2020, 12, 513.	3.3	641

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37	Tailored design of protein nanoparticle scaffolds for multivalent presentation of viral glycoprotein antigens. ELife, 2020, 9, .	6.0	123
38	Title is missing!. , 2020, 16, e1008665.		0
39	Title is missing!. , 2020, 16, e1008665.		0
40	Title is missing!. , 2020, 16, e1008665.		0
41	Title is missing!. , 2020, 16, e1008665.		0
42	Enhancing and shaping the immunogenicity of native-like HIV-1 envelope trimers with a two-component protein nanoparticle. Nature Communications, 2019, 10, 4272.	12.8	149
43	New Vaccine Design and Delivery Technologies. Journal of Infectious Diseases, 2019, 219, S88-S96.	4.0	53
44	De novo design of tunable, pH-driven conformational changes. Science, 2019, 364, 658-664.	12.6	109
45	Induction of Potent Neutralizing Antibody Responses by a Designed Protein Nanoparticle Vaccine for Respiratory Syncytial Virus. Cell, 2019, 176, 1420-1431.e17.	28.9	339
46	Confirmation of intersubunit connectivity and topology of designed protein complexes by native MS. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1268-1273.	7.1	60
47	Evolution of a designed protein assembly encapsulating its own RNA genome. Nature, 2017, 552, 415-420.	27.8	174
48	Designed proteins induce the formation of nanocage-containing extracellular vesicles. Nature, 2016, 540, 292-295.	27.8	113
49	Accurate design of megadalton-scale two-component icosahedral protein complexes. Science, 2016, 353, 389-394.	12.6	466
50	Multivalent Display of Antifreeze Proteins by Fusion to Self-Assembling Protein Cages Enhances Ice-Binding Activities. Biochemistry, 2016, 55, 6811-6820.	2.5	25
51	Design of a hyperstable 60-subunit protein icosahedron. Nature, 2016, 535, 136-139.	27.8	373
52	Structure of a designed tetrahedral protein assembly variant engineered to have improved soluble expression. Protein Science, 2015, 24, 1695-1701.	7.6	30
53	Accurate design of co-assembling multi-component protein nanomaterials. Nature, 2014, 510, 103-108.	27.8	504
54	Practical approaches to designing novel protein assemblies. Current Opinion in Structural Biology, 2013, 23, 632-638.	5.7	74

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55	Computational Design of Self-Assembling Protein Nanomaterials with Atomic Level Accuracy. Science, 2012, 336, 1171-1174.	12.6	588