

Kang Chen

List of Publications by Year in descending order

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4,049
citations

126907

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6216
citing authors

#	ARTICLE	IF	CITATIONS
1	2D NMR Peak Profiling to Compare Chemical Differences between Batches of Pentosan Polysulfate Sodium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 211, 114589.	2.8	3
2	Brain-derived neurotrophic factor precursor in the immune system is a novel target for treating multiple sclerosis. <i>Theranostics</i> , 2021, 11, 715-730.	10.0	24
3	Minor N-Glycan Mapping of Monoclonal Antibody Therapeutics Using Middle-Down NMR Spectroscopy. <i>Molecular Pharmaceutics</i> , 2021, 18, 441-450.	4.6	9
4	A Novel Frameshift Variant of the <i>MITF</i> Gene in a Chinese Family with Waardenburg Syndrome Type 2. <i>Molecular Syndromology</i> , 2021, 12, 244-249.	0.8	0
5	A Real-Time NMR Method for Measurement of In Vitro Aggregation Kinetics Of Degarelix Drug Products. <i>AAPS PharmSciTech</i> , 2021, 22, 73.	3.3	2
6	NMR Spectroscopy for Protein Higher Order Structure Similarity Assessment in Formulated Drug Products. <i>Molecules</i> , 2021, 26, 4251.	3.8	11
7	Seroprevalence of SARS-CoV-2 immunoglobulins in pregnant women and neonatal cord blood from a highly impacted region. <i>Placenta</i> , 2021, 115, 146-150.	1.5	8
8	Sedimentation Velocity Analytical Ultracentrifugation Analysis of Marketed Rituximab Drug Product Size Distribution. <i>Pharmaceutical Research</i> , 2020, 37, 238.	3.5	1
9	An NMR Protocol for In Vitro Paclitaxel Release from an Albumin-Bound Nanoparticle Formulation. <i>AAPS PharmSciTech</i> , 2020, 21, 136.	3.3	6
10	An NMR-Based Similarity Metric for Higher Order Structure Quality Assessment Among U.S. Marketed Insulin Therapeutics. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1519-1528.	3.3	16
11	The ELISA Detectability and Potency of Pegfilgrastim Decrease in Physiological Conditions: Key Roles for Aggregation and Individual Variability. <i>Scientific Reports</i> , 2020, 10, 2476.	3.3	8
12	Rethinking mucosal antibody responses: IgM, IgG and IgD join IgA. <i>Nature Reviews Immunology</i> , 2020, 20, 427-441.	22.7	165
13	Tumor-released autophagosomes induces CD4+ T cell-mediated immunosuppression via a TLR2-IL-6 cascade. , 2019, 7, 178.		37
14	Role of Macrophages in Pregnancy and Related Complications. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2019, 67, 295-309.	2.3	109
15	Enabling adoption of 2D-NMR for the higher order structure assessment of monoclonal antibody therapeutics. <i>MAbs</i> , 2019, 11, 94-105.	5.2	67
16	Stress Forces First Lineage Differentiation of Mouse Embryonic Stem Cells; Validation of a High-Throughput Screen for Toxicant Stress. <i>Stem Cells and Development</i> , 2019, 28, 101-113.	2.1	15
17	A Simple and Noninvasive DOSY NMR Method for Droplet Size Measurement of Intact Oil-In-Water Emulsion Drug Products. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 815-820.	3.3	15
18	T follicular helper cells restricted by IRF8 contribute to T cell-mediated inflammation. <i>Journal of Autoimmunity</i> , 2019, 96, 113-122.	6.5	21

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19	Immunology of the Uterine and Vaginal Mucosae. Trends in Immunology, 2018, 39, 302-314.	6.8	53
20	Application of Ultra-Centrifugation and Bench-Top 19F NMR for Measuring Drug Phase Partitioning for the Ophthalmic Oil-in-Water Emulsion Products. AAPS PharmSciTech, 2018, 19, 1647-1651.	3.3	10
21	Chemometric Methods to Quantify 1D and 2D NMR Spectral Differences Among Similar Protein Therapeutics. AAPS PharmSciTech, 2018, 19, 1011-1019.	3.3	20
22	Tackling tumor heterogeneity and phenotypic plasticity in cancer precision medicine: our experience and a literature review. Cancer and Metastasis Reviews, 2018, 37, 655-663.	5.9	18
23	Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. Immunity, 2018, 49, 709-724.e8.	14.3	60
24	Prognostic modeling of the immune-centric transcriptome reveals interleukin signaling candidates contributing to differential patient outcomes. Carcinogenesis, 2018, 39, 1447-1454.	2.8	4
25	The enigmatic function of IgD: some answers at last. European Journal of Immunology, 2018, 48, 1101-1113.	2.9	101
26	Analytical considerations for measuring the globule size distribution of cyclosporine ophthalmic emulsions. International Journal of Pharmaceutics, 2018, 550, 229-239.	5.2	28
27	Chemical Structure and Composition of Major Glycans Covalently Linked to Therapeutic Monoclonal Antibodies by Middle-Down Nuclear Magnetic Resonance. Analytical Chemistry, 2018, 90, 11016-11024.	6.5	28
28	VEGF may contribute to macrophage recruitment and M2 polarization in the decidua. PLoS ONE, 2018, 13, e0191040.	2.5	156
29	Inhibition of Mcl-1 enhances cell death induced by the Bcl-2-selective inhibitor ABT-199 in acute myeloid leukemia cells. Signal Transduction and Targeted Therapy, 2017, 2, 17012.	17.1	104
30	Interleukin-33-induced expression of PIBF1 by decidual B cells protects against preterm labor. Nature Medicine, 2017, 23, 128-135.	30.7	85
31	Comparison of NMR and Dynamic Light Scattering for Measuring Diffusion Coefficients of Formulated Insulin: Implications for Particle Size Distribution Measurements in Drug Products. AAPS Journal, 2017, 19, 1760-1766.	4.4	45
32	Transcriptional programs of tumor infiltrating T-cells provide insight into mechanisms of immune response and new targets for immunotherapy. Journal of Thoracic Disease, 2017, 9, 4162-4164.	1.4	0
33	Migration-inducing gene 7 promotes tumorigenesis and angiogenesis and independently predicts poor prognosis of epithelial ovarian cancer. Oncotarget, 2016, 7, 27552-27566.	1.8	5
34	Functions and Malfunctions of Mammalian DNA-Cytosine Deaminases. Chemical Reviews, 2016, 116, 12688-12710.	47.7	104
35	Simple NMR methods for evaluating higher order structures of monoclonal antibody therapeutics with quinary structure. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 398-407.	2.8	46
36	Dendritic cell-derived nitric oxide inhibits the differentiation of effector dendritic cells. Oncotarget, 2016, 7, 74834-74845.	1.8	23

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37	Anergic B Cells: Precarious On-Call Warriors at the Nexus of Autoimmunity and False-Flagged Pathogens. <i>Frontiers in Immunology</i> , 2015, 6, 580.	4.8	12
38	Reply: Maternal vaccination: moving the science forward. <i>Human Reproduction Update</i> , 2015, 21, 408-409.	10.8	0
39	Immunization of pregnant women: Future of early infant protection. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 2549-2555.	3.3	41
40	NMR profiling of biomolecules at natural abundance using 2D ^1H - ^{15}N and ^1H - ^{13}C multiplicity-separated (MS) HSQC spectra. <i>Journal of Magnetic Resonance</i> , 2015, 251, 65-70.	2.1	22
41	Dopamine inhibits the function of Gr-1+CD115+ myeloid-derived suppressor cells through D1-like receptors and enhances anti-tumor immunity. <i>Journal of Leukocyte Biology</i> , 2015, 97, 191-200.	3.3	29
42	Maternal vaccination: moving the science forward. <i>Human Reproduction Update</i> , 2015, 21, 119-135.	10.8	57
43	The small molecule tyrosine kinase inhibitor NVP-BHG712 antagonizes ABCC10-mediated paclitaxel resistance: a preclinical and pharmacokinetic study. <i>Oncotarget</i> , 2015, 6, 510-521.	1.8	28
44	Maspin expression in prostate tumor elicits host anti-tumor immunity. <i>Oncotarget</i> , 2014, 5, 11225-11236.	1.8	22
45	Determining Interdomain Structure and Dynamics of a Retroviral Capsid Protein in the Presence of Oligomerization: Implication for Structural Transition in Capsid Assembly. <i>Biochemistry</i> , 2013, 52, 5365-5371.	2.5	6
46	Molecular mechanisms for the subversion of MyD88 signaling by TcpC from virulent uropathogenic <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6985-6990.	7.1	77
47	The Maturation Refolding of the β^2 -Hairpin Motif of Equine Infectious Anemia Virus Capsid Protein Extends Its Helix $\beta 1$ at Capsid Assembly Locus. <i>Journal of Biological Chemistry</i> , 2013, 288, 1511-1520.	3.4	12
48	Phosphoinositides Direct Equine Infectious Anemia Virus Gag Trafficking and Release. <i>Traffic</i> , 2011, 12, 438-451.	2.7	50
49	Water proton spin saturation affects measured protein backbone ^{15}N spin relaxation rates. <i>Journal of Magnetic Resonance</i> , 2011, 213, 151-157.	2.1	22
50	Immunoglobulin Responses at the Mucosal Interface. <i>Annual Review of Immunology</i> , 2011, 29, 273-293.	21.8	309
51	The function and regulation of immunoglobulin D. <i>Current Opinion in Immunology</i> , 2011, 23, 345-352.	5.5	75
52	Vaccination Strategies to Promote Mucosal Antibody Responses. <i>Immunity</i> , 2010, 33, 479-491.	14.3	138
53	New insights into the enigma of immunoglobulin D. <i>Immunological Reviews</i> , 2010, 237, 160-179.	6.0	111
54	Immunoglobulin D enhances immune surveillance by activating antimicrobial, proinflammatory and B cell-stimulating programs in basophils. <i>Nature Immunology</i> , 2009, 10, 889-898.	14.5	362

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55	Solution NMR Characterizations of Oligomerization and Dynamics of Equine Infectious Anemia Virus Matrix Protein and Its Interaction with PIP2. <i>Biochemistry</i> , 2008, 47, 1928-1937.	2.5	47
56	Extended Model Free Approach To Analyze Correlation Functions of Multidomain Proteins in the Presence of Motional Coupling. <i>Journal of the American Chemical Society</i> , 2008, 130, 12745-12751.	13.7	24
57	Class Switch Recombination and IgD Production Contribute to Mucosal Immunity. <i>FASEB Journal</i> , 2008, 22, 854.7.	0.5	0
58	Length Effects in Antimicrobial Peptides of the (RW) _n Series. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 597-603.	3.2	167
59	Spin Relaxation Enhancement Confirms Dominance of Extended Conformations in Short Alanine Peptides. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9036-9039.	13.8	29
60	Top-down approach in protein RDC data analysis: de novo estimation of the alignment tensor. <i>Journal of Biomolecular NMR</i> , 2007, 38, 303-313.	2.8	6
61	Long-Distance Tunneling Nanotubes Shuttle Viral Immunoglobulin Class Switch-Suppressing Factors from HIV-Infected Macrophages to B Cells.. <i>Blood</i> , 2007, 110, 2278-2278.	1.4	0
62	Malignant B Cells from Hairy Cell Leukemia Express an Innate Phenotype and Undergo IgD Class Switching in Response to Innate Environmental Factors, Including BAFF and APRIL.. <i>Blood</i> , 2007, 110, 4707-4707.	1.4	1
63	Conformation of the Backbone in Unfolded Proteins. <i>Chemical Reviews</i> , 2006, 106, 1877-1897.	47.7	249
64	Nucleation and stability of hydrogen-bond surrogate-based α -helices. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4074-4081.	2.8	50
65	Multivalent Antimicrobial Peptides from a Reactive Polymer Scaffold. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3436-3439.	6.4	42
66	Evaluation of Biologically Relevant Short α -Helices Stabilized by a Main-Chain Hydrogen-Bond Surrogate. <i>Journal of the American Chemical Society</i> , 2006, 128, 9248-9256.	13.7	136
67	PII structure in the model peptides for unfolded proteins: Studies on ubiquitin fragments and several alanine-rich peptides containing QQQ, SSS, FFF, and VVV. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 63, 312-321.	2.6	21
68	Polyproline II propensities from GGXGG peptides reveal an anticorrelation with β -sheet scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17964-17968.	7.1	148
69	Neighbor Effect on PPII Conformation in Alanine Peptides. <i>Journal of the American Chemical Society</i> , 2005, 127, 10146-10147.	13.7	49
70	The polyproline II conformation in short alanine peptides is noncooperative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15352-15357.	7.1	86
71	Solvent Dependence of PII Conformation in Model Alanine Peptides. <i>Journal of the American Chemical Society</i> , 2004, 126, 15141-15150.	13.7	75
72	The Pentapeptide GGAGG Has PII Conformation. <i>Journal of the American Chemical Society</i> , 2003, 125, 8092-8093.	13.7	67

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73	Solution structure of a viral DNA repair polymerase. <i>Nature Structural Biology</i> , 2001, 8, 936-941.	9.7	53
74	Multiphase Drug Distribution and Exchange in Oil-in-Water Nanoemulsion Revealed by High-Resolution ¹⁹ F qNMR. <i>Molecular Pharmaceutics</i> , 0, , .	4.6	2