

Chien Ho

List of Publications by Year in descending order

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299
papers

12,795
citations

20759

60
h-index

34900

98
g-index

310
all docs

310
docs citations

310
times ranked

8971
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Intralipid on Nanodrug Abraxane Therapy and on the Innate Immune System. Scientific Reports, 2020, 10, 2838.	1.6	6
2	Characterization of Early Indicators of Cardiac Allograft Vasculopathy Lesions in a Rat Model Using Non-Invasive Cellular MR. OBM Transplantation, 2019, 3, 1-1.	0.2	3
3	A Fatty Acid-Inspired Tetherable Initiator for Surface-Initiated Atom Transfer Radical Polymerization. Chemistry of Materials, 2017, 29, 4963-4969.	3.2	55
4	Modulation of hemoglobin dynamics by an allosteric effector. Protein Science, 2017, 26, 505-514.	3.1	6
5	Mesenchymal Stem Cell Preparation and Transfectionâ€free Ferumoxytol Labeling for MRI Cell Tracking. Current Protocols in Stem Cell Biology, 2017, 43, 2B.7.1-2B.7.14.	3.0	10
6	Enduring disturbances in regional cerebral blood flow and brain oxygenation at 24â€h after asphyxial cardiac arrest in developing rats. Pediatric Research, 2017, 81, 94-98.	1.1	7
7	A New Approach to Deliver Anti-cancer Nanodrugs with Reduced Off-target Toxicities and Improved Efficiency by Temporarily Blunting the Reticuloendothelial System with Intralipid. Scientific Reports, 2017, 7, 16106.	1.6	20
8	A New Method for Preparing Mesenchymal Stem Cells and Labeling with Ferumoxytol for Cell Tracking by MRI. Scientific Reports, 2016, 6, 26271.	1.6	43
9	A New Approach to Decrease the RES Uptake of Nanodrugs by Pre-administration with Intralipidâ® Resulting in a Reduction of Toxic Side Effects. Fundamental Biomedical Technologies, 2016, , 125-146.	0.2	2
10	A New Approach to Reduce Toxicities and to Improve Bioavailabilities of Platinum-Containing Anti-Cancer Nanodrugs. Scientific Reports, 2015, 5, 10881.	1.6	55
11	Combining perfluorocarbon and superparamagnetic ironâ€oxide cell labeling for improved and expanded applications of cellular MRI. Magnetic Resonance in Medicine, 2015, 73, 367-375.	1.9	22
12	Cardiac Arrest Disrupts Caspase-1 and Patterns of Inflammatory Mediators Differently in Skin and Muscle Following Localized Tissue Injury in Rats: Insights from Data-Driven Modeling. Frontiers in Immunology, 2015, 6, 587.	2.2	6
13	Sickle Cell Hemoglobin with Mutation at Î±His-50 Has Improved Solubility. Journal of Biological Chemistry, 2015, 290, 21762-21772.	1.6	6
14	Accelerated MR parameter mapping with lowâ€rank and sparsity constraints. Magnetic Resonance in Medicine, 2015, 74, 489-498.	1.9	140
15	New Look at Hemoglobin Allostery. Chemical Reviews, 2015, 115, 1702-1724.	23.0	132
16	Mapping immune cells infiltration using restricted diffusion MRI. , 2014, , .		1
17	Improve myocardial T₁ measurement in rats with a new regression model: Application to myocardial infarction and beyond. Magnetic Resonance in Medicine, 2014, 72, 737-748.	1.9	9
18	Mapping stain distribution in pathology slides using whole slide imaging. Journal of Pathology Informatics, 2014, 5, 1.	0.8	22

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19	Automated grading of renal cell carcinoma using whole slide imaging. <i>Journal of Pathology Informatics</i> , 2014, 5, 23.	0.8	38
20	Self-navigated low-rank MRI for MPIO-labeled immune cell imaging of the heart. , 2014, 2014, 1529-32.		1
21	Improved Subspace Estimation for Low-Rank Model-Based Accelerated Cardiac Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2451-2457.	2.5	14
22	Decreased reticuloendothelial system clearance and increased blood half-life and immune cell labeling for nano- and micron-sized superparamagnetic iron-oxide particles upon pre-treatment with Intralipid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3447-3453.	1.1	65
23	Roles of Amino Acid Residues in Woolly Mammoth Hemoglobin on the Temperature Effect of Oxygen Binding. <i>Biophysical Journal</i> , 2013, 104, 559a.	0.2	0
24	High-Resolution Cardiovascular MRI by Integrating Parallel Imaging With Low-Rank and Sparse Modeling. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 3083-3092.	2.5	50
25	Autoxidation and Oxygen Binding Properties of Recombinant Hemoglobins with Substitutions at the $\hat{1}\pm\text{Val-62}$ or $\hat{1}^2\text{Val-67}$ Position of the Distal Heme Pocket. <i>Journal of Biological Chemistry</i> , 2013, 288, 25512-25521.	1.6	15
26	Cerebral Blood Flow Changes after Brain Injury in Human Amyloid-Beta Knock-in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 826-833.	2.4	19
27	Solution Structure and Dynamics of Human Hemoglobin in the Carbonmonoxy Form. <i>Biochemistry</i> , 2013, 52, 5809-5820.	1.2	17
28	Role of $\hat{1}^2\hat{1}^101\text{Gln}$ in Regulating the Effect of Temperature and Allosteric Effectors on Oxygen Affinity in Woolly Mammoth Hemoglobin. <i>Biochemistry</i> , 2013, 52, 8888-8897.	1.2	6
29	Mri Assessment of Cerebral Blood Flow after Experimental Traumatic Brain Injury Combined with Hemorrhagic Shock in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 129-136.	2.4	38
30	Magnetic Resonance Imaging Investigation of Macrophages in Acute Cardiac Allograft Rejection After Heart Transplantation. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 965-973.	1.3	36
31	Recombinant Octameric Hemoglobins as Resuscitation Fluids in a Murine Model of Traumatic Brain Injury Plus Hemorrhagic Shock. , 2013, , 249-272.		1
32	Polynitroxyl Albumin and Albumin Therapy after Pediatric Asphyxial Cardiac Arrest: Effects on Cerebral Blood Flow and Neurologic Outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 560-569.	2.4	21
33	Structures of haemoglobin from woolly mammoth in liganded and unliganded states. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1441-1449.	2.5	8
34	Enhanced cellular uptake and long-term retention of chitosan-modified iron-oxide nanoparticles for MRI-based cell tracking. <i>International Journal of Nanomedicine</i> , 2012, 7, 4613.	3.3	53
35	The impact of physiological loading on immune cell infiltration and myocardial function evaluated by cardiac MRI: a comparison between non-working heart and working heart transplant models. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, .	1.6	0
36	Tracking T-cells in vivo with a new nano-sized MRI contrast agent. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1345-1354.	1.7	68

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37	Automated detection and characterization of SPIO-labeled cells and capsules using magnetic field perturbations. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 278-289.	1.9	30
38	Interaction of haptoglobin with hemoglobin octamers based on the mutation <i>Asn78Cys or <i>I2<i>Gly83Cys. <i>American Journal of Molecular Biology</i> , 2012, 02, 1-10.	0.1	5
39	Human Neuroglobin Functions as a Redox-regulated Nitrite Reductase. <i>Journal of Biological Chemistry</i> , 2011, 286, 18277-18289.	1.6	245
40	A Biochemical"Biophysical Study of Hemoglobins from Woolly Mammoth, Asian Elephant, and Humans. <i>Biochemistry</i> , 2011, 50, 7350-7360.	1.2	12
41	WAXS Studies of the Structural Diversity of Hemoglobin in Solution. <i>Journal of Molecular Biology</i> , 2011, 408, 909-921.	2.0	25
42	A New Nano-sized Iron Oxide Particle with High Sensitivity for Cellular Magnetic Resonance Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 825-839.	1.3	44
43	Cellular and Functional Imaging of Cardiac Transplant Rejection. <i>Current Cardiovascular Imaging Reports</i> , 2011, 4, 50-62.	0.4	18
44	¹⁹F MRI detection of acute allograft rejection with in vivo perfluorocarbon labeling of immune cells. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1144-1153.	1.9	108
45	Four-dimensional MR cardiovascular imaging: Method and applications. , 2011, 2011, 3732-5.		8
46	Quantitative Temporal Profiles of Penumbra and Infarction During Permanent Middle Cerebral Artery Occlusion in Rats. <i>Translational Stroke Research</i> , 2010, 1, 220-229.	2.3	36
47	Substitutions in woolly mammoth hemoglobin confer biochemical properties adaptive for cold tolerance. <i>Nature Genetics</i> , 2010, 42, 536-540.	9.4	86
48	First-pass perfusion cardiac MRI using the Partially Separable Functions model with generalized support. , 2010, 2010, 2833-6.		4
49	An Investigation of the Distal Histidyl Hydrogen Bonds in Oxyhemoglobin: Effects of Temperature, pH, and Inositol Hexaphosphate. <i>Biochemistry</i> , 2010, 49, 10606-10615.	1.2	14
50	Ligand-Free Open"Closed Transitions of Periplasmic Binding Proteins: The Case of Glutamine-Binding Protein. <i>Biochemistry</i> , 2010, 49, 1893-1902.	1.2	58
51	A Biophysical-Biochemical Comparison of Hemoglobins from Mammoth, Asian Elephant, and Human. <i>Biophysical Journal</i> , 2010, 98, 638a-639a.	0.2	0
52	High-resolution cardiac MRI using partially separable functions and weighted spatial smoothness regularization. , 2010, 2010, 871-4.		13
53	Real-time cardiac MRI using prior spatial-spectral information. , 2009, 2009, 4383-6.		23
54	A data-driven approach to prior extraction for segmentation of left ventricle in cardiac MR images. , 2009, 2009, 831-834.		1

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55	Magnetic Resonance Imaging Assessment of Macrophage Accumulation in Mouse Brain after Experimental Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2009, 26, 1509-1519.	1.7	45
56	Magnetic Resonance Imaging Assessment of Regional Cerebral Blood Flow after Asphyxial Cardiac Arrest in Immature Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 197-205.	2.4	78
57	Determination of the Solution-Bound Conformation of an Amino Acid Binding Protein by NMR Paramagnetic Relaxation Enhancement: Use of a Single Flexible Paramagnetic Probe with Improved Estimation of Its Sampling Space. <i>Journal of the American Chemical Society</i> , 2009, 131, 9532-9537.	6.6	32
58	Noninvasive Evaluation of Cardiac Allograft Rejection by Cellular and Functional Cardiac Magnetic Resonance. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 731-741.	2.3	61
59	Real-time free-breathing strategy for tracking labeled cells with in-vivo cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, .	1.6	0
60	Non-invasive monitoring allograft rejection by simultaneous cellular and functional cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, .	1.6	0
61	Auto-Oxidation of Human Hemoglobin and the Roles of Distal Heme Pocket Substitutions. <i>Biophysical Journal</i> , 2009, 96, 558a.	0.2	1
62	Sensitive and automated detection of iron-oxide-labeled cells using phase image cross-correlation analysis. <i>Magnetic Resonance Imaging</i> , 2008, 26, 618-628.	1.0	30
63	Automatic Detection of Regional Heart Rejection in USPIO-Enhanced MRI. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 1095-1106.	5.4	14
64	Effector-Induced Structural Fluctuation Regulates the Ligand Affinity of an Allosteric Protein: Binding of Inositol Hexaphosphate Has Distinct Dynamic Consequences for the T and R States of Hemoglobin. <i>Biochemistry</i> , 2008, 47, 4907-4915.	1.2	27
65	Interfacial and Distal-Heme Pocket Mutations Exhibit Additive Effects on the Structure and Function of Hemoglobin. <i>Biochemistry</i> , 2008, 47, 10551-10563.	1.2	17
66	Real-time cardiac MRI without triggering, gating, or breath holding. , 2008, 2008, 3381-4.		32
67	Longitudinal Tracking of Recipient Macrophages in a Rat Chronic Cardiac Allograft Rejection Model With Noninvasive Magnetic Resonance Imaging Using Micrometer-Sized Paramagnetic Iron Oxide Particles. <i>Circulation</i> , 2008, 118, 149-156.	1.6	66
68	Effect of Inducible Nitric Oxide Synthase on Cerebral Blood Flow after Experimental Traumatic Brain Injury in Mice. <i>Journal of Neurotrauma</i> , 2008, 25, 299-310.	1.7	26
69	Molecular Aspects of the High Oxygen Affinity of Non-Hypertensive Hexa Pegylated Hemoglobin, [(SP-PEG5K) ₆ -Hb]. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2007, 35, 19-29.	0.9	16
70	Diffusion Map Approach to Classifying Early Stage Cardiac Dysfunction. , 2007, , .		0
71	Insights into the Solution Structure of Human Deoxyhemoglobin in the Absence and Presence of an Allosteric Effector. <i>Biochemistry</i> , 2007, 46, 9973-9980.	1.2	26
72	A Comparative NMR Study of the Polypeptide Backbone Dynamics of Hemoglobin in the Deoxy and Carbonmonoxy Forms. <i>Biochemistry</i> , 2007, 46, 6795-6803.	1.2	29

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73	MRI detection of macrophages labeled using micrometer-sized iron oxide particles. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 1210-1218.	1.9	58
74	Modification of globin gene expression by RNA targeting strategies. <i>Experimental Hematology</i> , 2007, 35, 1209-1218.	0.2	5
75	Orientation of Deoxyhemoglobin at High Magnetic Fields: Structural Insights from RDCs in Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 6290-6291.	6.6	12
76	Quaternary Structure of Carbonmonoxyhemoglobins in Solution: Structural Changes Induced by the Allosteric Effector Inositol Hexaphosphate. <i>Biochemistry</i> , 2006, 45, 5140-5148.	1.2	39
77	Dynamics of Allostery in Hemoglobin: Roles of the Penultimate Tyrosine H bonds. <i>Journal of Molecular Biology</i> , 2006, 356, 335-353.	2.0	37
78	Hypoxia, red blood cells, and nitrite regulate NO-dependent hypoxic vasodilation. <i>Blood</i> , 2006, 107, 566-574.	0.6	444
79	MAGNETIC RESONANCE IMAGING ASSESSMENT OF MACROPHAGE ACCUMULATION IN MOUSE BRAIN AFTER EXPERIMENTAL TRAUMATIC BRAIN INJURY: A PRELIMINARY REPORT.. <i>Critical Care Medicine</i> , 2006, 34, A6.	0.4	0
80	EFFECT OF HEMORRHAGIC SHOCK ON CEREBRAL BLOOD FLOW IN EXPERIMENTAL TRAUMATIC BRAIN INJURY: MAGNETIC RESONANCE IMAGING ASSESSMENT.. <i>Critical Care Medicine</i> , 2006, 34, A5.	0.4	2
81	Recombinant hemoglobin betaG83C-F41Y. An octameric protein. <i>FEBS Journal</i> , 2006, 273, 230-241.	2.2	16
82	Backbone Resonance Assignment of Human Adult Hemoglobin in the Eeoxy Form. <i>Journal of Biomolecular NMR</i> , 2006, 36, 1-1.	1.6	7
83	Immune Cells Detection of the In Vivo Rejecting Heart in USPIO-Enhanced Magnetic Resonance Imaging. , 2006, 2006, 942-5.		4
84	In situ labeling of immune cells with iron oxide particles: An approach to detect organ rejection by cellular MRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1852-1857.	3.3	599
85	Characterization of the Effects of Adenosine Receptor Agonists on Cerebral Blood Flow in Uninjured and Traumatically Injured Rat Brain using Continuous Arterial Spin-Labeled Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 1596-1612.	2.4	34
86	Mapping Protein-Protein Interfaces on the Basis of Proton Density Difference. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5141-5144.	7.2	4
87	Murine orthostatic response during prolonged vertical studies: Effect on cerebral blood flow measured by arterial spin-labeled MRI. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 798-806.	1.9	33
88	Conjugation of Multiple Copies of Polyethylene Glycol to Hemoglobin Facilitated Through Thiolation: Influence on Hemoglobin Structure and Function. <i>Protein Journal</i> , 2005, 24, 133-146.	0.7	99
89	Biliverdin Administration Prevents the Formation of Intimal Hyperplasia Induced by Vascular Injury. <i>Circulation</i> , 2005, 112, 587-591.	1.6	82
90	A Biophysical Investigation of Recombinant Hemoglobins with Aromatic B10 Mutations in the Distal Heme Pockets. <i>Biochemistry</i> , 2005, 44, 7207-7217.	1.2	28

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91	A General Strategy for the Assignment of Aliphatic Side-Chain Resonances of Uniformly ¹³ C, ¹⁵ N-Labeled Large Proteins. <i>Journal of the American Chemical Society</i> , 2005, 127, 11920-11921.	6.6	26
92	Enhanced Inhibition of Polymerization of Sickle Cell Hemoglobin in the Presence of Recombinant Mutants of Human Fetal Hemoglobin with Substitutions at Position 43 in the β^3 -Chain. <i>Biochemistry</i> , 2005, 44, 12188-12195.	1.2	4
93	STACS: new active contour scheme for cardiac MR image segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 593-603.	5.4	205
94	Enzymatic function of hemoglobin as a nitrite reductase that produces NO under allosteric control. <i>Journal of Clinical Investigation</i> , 2005, 115, 2099-2107.	3.9	450
95	Normal and Transplanted Rat Kidneys: Diffusion MR Imaging at 7 T. <i>Radiology</i> , 2004, 231, 702-709.	3.6	60
96	MRI Investigations of Graft Rejection Following Organ Transplantation Using Rodent Models. <i>Methods in Enzymology</i> , 2004, 386, 73-105.	0.4	18
97	Letter to the Editor: Backbone Resonance Assignments of Human Adult Hemoglobin in the Carbonmonoxy Form. <i>Journal of Biomolecular NMR</i> , 2004, 28, 203-204.	1.6	9
98	Side-chain assignments of methyl-containing residues in a uniformly ¹³ C-labeled hemoglobin in the carbonmonoxy form. <i>Journal of Biomolecular NMR</i> , 2004, 30, 423-429.	1.6	10
99	The Structure-Function Relationship of Hemoglobin in Solution at Atomic Resolution. <i>ChemInform</i> , 2004, 35, no.	0.1	0
100	MRI detection of tumor in mouse lung using partial liquid ventilation with a perfluorocarbon-in-water emulsion. <i>Magnetic Resonance Imaging</i> , 2004, 22, 645-652.	1.0	20
101	Nuclear Magnetic Resonance Spectroscopy in the Study of Hemoglobin Cooperativity. <i>Methods in Enzymology</i> , 2004, 379, 28-54.	0.4	7
102	The Structure-Function Relationship of Hemoglobin in Solution at Atomic Resolution. <i>Chemical Reviews</i> , 2004, 104, 1219-1230.	23.0	150
103	Hemoglobin Einstein: Semisynthetic deletion in the B-helix of the β^3 -chain. <i>Protein Science</i> , 2004, 13, 1266-1275.	3.1	4
104	Hemoglobin Site-mutants Reveal Dynamical Role of Interhelical H-bonds in the Allosteric Pathway: Time-resolved UV Resonance Raman Evidence for Intra-dimer Coupling. <i>Journal of Molecular Biology</i> , 2004, 340, 857-868.	2.0	41
105	A Non-Invasive Approach to Detecting Organ Rejection by MRI: Monitoring the Accumulation of Immune Cells At the Transplanted Organ. <i>Current Pharmaceutical Biotechnology</i> , 2004, 5, 551-566.	0.9	51
106	Probing the conformation of hemoglobin presbyterian in the R-state. <i>The Protein Journal</i> , 2003, 22, 221-230.	1.1	9
107	Improving spatiotemporal resolution of USPIO-enhanced dynamic imaging of rat kidneys. <i>Magnetic Resonance Imaging</i> , 2003, 21, 593-598.	1.0	12
108	Stable octameric structure of recombinant hemoglobin $\alpha_2\beta_2$ Gly- \rightarrow Cys. <i>Protein Science</i> , 2003, 12, 690-695.	3.1	18

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109	Quaternary structure of hemoglobin in solution. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 517-520.	3.3	197
110	Nuclear Magnetic Resonance of Hemoglobins. , 2003, 82, 251-269.		2
111	Superparamagnetic iron oxide particles transactivator protein-fluorescein isothiocyanate particle labeling for in vivo magnetic resonance imaging detection of cell migration: uptake and durability. Transplantation, 2003, 76, 1043-1046.	0.5	64
112	An open transversez-gradient coil design for magnetic resonance imaging. Review of Scientific Instruments, 2002, 73, 2208-2210.	0.6	2
113	Cerebral Blood Flow at One Year after Controlled Cortical Impact in Rats: Assessment by Magnetic Resonance Imaging. Journal of Neurotrauma, 2002, 19, 1029-1037.	1.7	82
114	Effects of Amino Acid Substitutions at Î²131 on the Structure and Properties of Hemoglobin: Evidence for Communication between Î±1Î²1- and Î±1Î²2-Subunit Interfaces. Biochemistry, 2002, 41, 5644-5655.	1.2	37
115	Ligand Binding Properties and Structural Studies of Recombinant and Chemically Modified Hemoglobins Altered at Î²93 Cysteine. Biochemistry, 2002, 41, 11901-11913.	1.2	50
116	NMR Investigation of the Dynamics of Tryptophan Side-chains in Hemoglobins. Journal of Molecular Biology, 2002, 321, 863-878.	2.0	42
117	MRI of lungs using partial liquid ventilation with water-in-perfluorocarbon emulsions. Magnetic Resonance in Medicine, 2002, 48, 487-492.	1.9	27
118	In vivo detection of acute rat renal allograft rejection by MRI with USPIO particles. Kidney International, 2002, 61, 1124-1135.	2.6	69
119	Recombinant hemoglobins with low oxygen affinity and high cooperativity. Biophysical Chemistry, 2002, 98, 15-25.	1.5	15
120	Site mutations disrupt inter-helical H-bonds (Î±14Wâ€œÎ±67T and Î²15Wâ€œÎ²72S) involved in kinetic steps in the hemoglobin Râ†T transition without altering the free energies of oxygenation. Biophysical Chemistry, 2002, 100, 131-142.	1.5	6
121	Probing the Importance of the Amino-Terminal Sequence of the Î²- and Î³-Chains to the Properties of Normal Adult and Fetal Hemoglobins. Biochemistry, 2001, 40, 12169-12177.	1.2	7
122	Distal Ligand Reactivity and Quaternary Structure Studies of Proximally Detached Hemoglobins. Biochemistry, 2001, 40, 3780-3795.	1.2	30
123	Assessment of the effect of 2-chloroadenosine in normal rat brain using spin-labeled MRI measurement of perfusion. Magnetic Resonance in Medicine, 2001, 45, 924-929.	1.9	19
124	Cerebral perfusion during anesthesia with fentanyl, isoflurane, or pentobarbital in normal rats studied by arterial spin-labeled MRI. Magnetic Resonance in Medicine, 2001, 46, 202-206.	1.9	147
125	USPIO-enhanced dynamic MRI: Evaluation of normal and transplanted rat kidneys. Magnetic Resonance in Medicine, 2001, 46, 1152-1163.	1.9	62
126	Macrophage Accumulation Associated With Rat Cardiac Allograft Rejection Detected by Magnetic Resonance Imaging With Ultrasmall Superparamagnetic Iron Oxide Particles. Circulation, 2001, 104, 934-938.	1.6	152

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127	Angiotensin-Converting Enzyme Inhibitor Preserves p21 and Endothelial Nitric Oxide Synthase Expression in Monocrotaline-Induced Pulmonary Arterial Hypertension in Rats. <i>Circulation</i> , 2001, 104, 945-950.	1.6	75
128	Magnetic resonance imaging detection of rat renal transplant rejection by monitoring macrophage infiltration. <i>Kidney International</i> , 2000, 58, 1300-1310.	2.6	84
129	A novel approach with magnetic resonance imaging used for the detection of lung allograft rejection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000, 120, 923-934.	0.4	47
130	Attenuation of Myocardial Ischemia/Reperfusion Injury by Superinduction of Inducible Nitric Oxide Synthase. <i>Circulation</i> , 2000, 101, 2742-2748.	1.6	187
131	The crystal structure of D-lactate dehydrogenase, a peripheral membrane respiratory enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9413-9418.	3.3	100
132	NMR reveals hydrogen bonds between oxygen and distal histidines in oxyhemoglobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 10354-10358.	3.3	71
133	Interspecies hybrid HbS: complete neutralization of val6(\hat{I}^2)-dependent polymerization of human \hat{I}^2 -chain by pig \hat{I}^1 -chains ¹¹ Edited by K. Nagai. <i>Journal of Molecular Biology</i> , 2000, 300, 1389-1406.	2.0	13
134	Chain-Selective Isotopic Labeling for NMR Studies of Large Multimeric Proteins: Application to Hemoglobin. <i>Biophysical Journal</i> , 2000, 79, 1146-1154.	0.2	59
135	An Additional H-Bond in the $\hat{I}^1\hat{I}^2$ Interface as the Structural Basis for the Low Oxygen Affinity and High Cooperativity of a Novel Recombinant Hemoglobin (\hat{I}^2L105W) \hat{A} . <i>Biochemistry</i> , 2000, 39, 13708-13718.	1.2	20
136	Novel Recombinant Hemoglobin, rHb (\hat{I}^2N108Q), with Low Oxygen Affinity, High Cooperativity, and Stability against Autoxidation \hat{A} . <i>Biochemistry</i> , 2000, 39, 13719-13729.	1.2	31
137	Early perfusion after controlled cortical impact in rats: Quantification by arterial spin-labeled MRI and the influence of spin-lattice relaxation time heterogeneity. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 673-681.	1.9	69
138	Effects of Substitutions of Lysine and Aspartic Acid for Asparagine at \hat{I}^2108 and of Tryptophan for Valine at \hat{I}^196 on the Structural and Functional Properties of Human Normal Adult Hemoglobin: \hat{A} % Roles of $\hat{I}^1\hat{I}^1$ and $\hat{I}^1\hat{I}^2$ Subunit Interfaces in the Cooperative Oxygenation Process. <i>Biochemistry</i> , 1999, 38, 8751-8761.	1.2	43
139	Cardiac function of transplanted rat hearts using a working heart model assessed by magnetic resonance imaging. <i>Journal of Heart and Lung Transplantation</i> , 1999, 18, 1054-1064.	0.3	16
140	Detection of Single Mammalian Cells by High-Resolution Magnetic Resonance Imaging. <i>Biophysical Journal</i> , 1999, 76, 103-109.	0.2	268
141	A Biochemical and Biophysical Characterization of Recombinant Mutants of Fetal Hemoglobin and Their Interaction with Sick Cell Hemoglobin \hat{A} , \hat{A} j. <i>Biochemistry</i> , 1999, 38, 9549-9555.	1.2	5
142	Role of Interhelical H-Bonds ($W\hat{I}^14\hat{A}^{\sim}T\hat{I}^167$ and $W\hat{I}^215\hat{A}^{\sim}S\hat{I}^272$) in the Hemoglobin Allosteric Reaction Path Evaluated by UV Resonance Raman Spectroscopy of Site-Mutants. <i>Journal of the American Chemical Society</i> , 1999, 121, 11197-11203.	6.6	29
143	Assessment of Roles of Surface Histidyl Residues in the Molecular Basis of the Bohr Effect and of \hat{I}^2143 Histidine in the Binding of 2,3-Bisphosphoglycerate in Human Normal Adult Hemoglobin \hat{A} . <i>Biochemistry</i> , 1999, 38, 13423-13432.	1.2	62
144	Recombinant Hemoglobin($\hat{I}^129Leucine$ \hat{A} ' Phenylalanine, $\hat{I}^196Valine$ \hat{A} ' Tryptophan, $\hat{I}^2108Asparagine$ \hat{A} ' Lysine) Exhibits Low Oxygen Affinity and High Cooperativity Combined with Resistance to Autoxidation \hat{A} . <i>Biochemistry</i> , 1999, 38, 13433-13442.	1.2	30

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