

Chien Ho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

296
papers

11,534
citations

57
h-index

92
g-index

309
ext. papers

12,246
ext. citations

5.6
avg, IF

5.69
L-index

#	Paper	IF	Citations
296	Impacts of Intralipid on Nanodrug Abraxane Therapy and on the Innate Immune System. <i>Scientific Reports</i> , 2020 , 10, 2838	4.9	3
295	Characterization of Early Indicators of Cardiac Allograft Vasculopathy Lesions in a Rat Model Using Non-Invasive Cellular MR. <i>OBM Transplantation</i> , 2019 , 3, 1-1	1.8	2
294	A Fatty Acid-Inspired Tetherable Initiator for Surface-Initiated Atom Transfer Radical Polymerization. <i>Chemistry of Materials</i> , 2017 , 29, 4963-4969	9.6	42
293	Modulation of hemoglobin dynamics by an allosteric effector. <i>Protein Science</i> , 2017 , 26, 505-514	6.3	5
292	A New Approach to Deliver Anti-cancer Nanodrugs with Reduced Off-target Toxicities and Improved Efficiency by Temporarily Blunting the Reticuloendothelial System with Intralipid. <i>Scientific Reports</i> , 2017 , 7, 16106	4.9	15
291	Mesenchymal Stem Cell Preparation and Transfection-free Ferumoxytol Labeling for MRI Cell Tracking. <i>Current Protocols in Stem Cell Biology</i> , 2017 , 43, 2B.7.1-2B.7.14	2.8	7
290	Enduring disturbances in regional cerebral blood flow and brain oxygenation at 24 h after asphyxial cardiac arrest in developing rats. <i>Pediatric Research</i> , 2017 , 81, 94-98	3.2	4
289	A New Method for Preparing Mesenchymal Stem Cells and Labeling with Ferumoxytol for Cell Tracking by MRI. <i>Scientific Reports</i> , 2016 , 6, 26271	4.9	30
288	A New Approach to Decrease the RES Uptake of Nanodrugs by Pre-administration with Intralipid Resulting in a Reduction of Toxic Side Effects. <i>Fundamental Biomedical Technologies</i> , 2016 , 125-146		
287	A new approach to reduce toxicities and to improve bioavailabilities of platinum-containing anti-cancer nanodrugs. <i>Scientific Reports</i> , 2015 , 5, 10881	4.9	42
286	Combining perfluorocarbon and superparamagnetic iron-oxide cell labeling for improved and expanded applications of cellular MRI. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 367-75	4.4	19
285	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. <i>Frontiers in Immunology</i> , 2015 , 6, 587	8.4	5
284	Sickle Cell Hemoglobin with Mutation at His-50 Has Improved Solubility. <i>Journal of Biological Chemistry</i> , 2015 , 290, 21762-72	5.4	6
283	Accelerated MR parameter mapping with low-rank and sparsity constraints. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 489-98	4.4	99
282	New look at hemoglobin allostery. <i>Chemical Reviews</i> , 2015 , 115, 1702-24	68.1	104
281	Improved subspace estimation for low-rank model-based accelerated cardiac imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2451-7	5	12
280	Mapping immune cells infiltration using restricted diffusion MRI 2014 ,		1

279	Improve myocardial T1 measurement in rats with a new regression model: application to myocardial infarction and beyond. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 737-48	4.4	8
278	Mapping stain distribution in pathology slides using whole slide imaging. <i>Journal of Pathology Informatics</i> , 2014 , 5, 1	4.4	19
277	Automated grading of renal cell carcinoma using whole slide imaging. <i>Journal of Pathology Informatics</i> , 2014 , 5, 23	4.4	24
276	Self-navigated low-rank MRI for MPIO-labeled immune cell imaging of the heart. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1529-32	0.9	1
275	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, 3447-53	4	50
274	High-resolution cardiovascular MRI by integrating parallel imaging with low-rank and sparse modeling. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 3083-92	5	40
273	Autoxidation and oxygen binding properties of recombinant hemoglobins with substitutions at the Val-62 or Val-67 position of the distal heme pocket. <i>Journal of Biological Chemistry</i> , 2013 , 288, 25512-25521	5.4	14
272	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, 826-33	7.3	17
271	Solution structure and dynamics of human hemoglobin in the carbonmonoxy form. <i>Biochemistry</i> , 2013 , 52, 5809-20	3.2	13
270	Role of P101Gln in regulating the effect of temperature and allosteric effectors on oxygen affinity in woolly mammoth hemoglobin. <i>Biochemistry</i> , 2013 , 52, 8888-97	3.2	5
269	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, 129-36	7.3	31
268	Magnetic resonance imaging investigation of macrophages in acute cardiac allograft rejection after heart transplantation. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 965-73	3.9	31
267	Automated detection and characterization of SPIO-labeled cells and capsules using magnetic field perturbations. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 278-89	4.4	25
266	Structures of haemoglobin from woolly mammoth in liganded and unliganded states. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012 , 68, 1441-9		7
265	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, 4613-23	7.3	44
264	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,	6.9	78
263	Tracking T-cells in vivo with a new nano-sized MRI contrast agent. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8, 1345-54	6	55
262	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, 560-9	7.3	12

261	Interaction of haptoglobin with hemoglobin octamers based on the mutation Asn78Cys or Gly83Cys. <i>American Journal of Molecular Biology</i> , 2012 , 2, 1-10	0.2	4
260	WAXS studies of the structural diversity of hemoglobin in solution. <i>Journal of Molecular Biology</i> , 2011 , 408, 909-21	6.5	24
259	A new nano-sized iron oxide particle with high sensitivity for cellular magnetic resonance imaging. <i>Molecular Imaging and Biology</i> , 2011 , 13, 825-39	3.8	36
258	Cellular and Functional Imaging of Cardiac Transplant Rejection. <i>Current Cardiovascular Imaging Reports</i> , 2011 , 4, 50-62	0.7	18
257	19F MRI detection of acute allograft rejection with in vivo perfluorocarbon labeling of immune cells. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 1144-53	4.4	102
256	Human neuroglobin functions as a redox-regulated nitrite reductase. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18277-89	5.4	208
255	A biochemical--biophysical study of hemoglobins from woolly mammoth, Asian elephant, and humans. <i>Biochemistry</i> , 2011 , 50, 7350-60	3.2	10
254	Four-dimensional MR cardiovascular imaging: method and applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 3732-5	0.9	7
253	Substitutions in woolly mammoth hemoglobin confer biochemical properties adaptive for cold tolerance. <i>Nature Genetics</i> , 2010 , 42, 536-40	36.3	74
252	First-pass perfusion cardiac MRI using the Partially Separable Functions model with generalized support. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 2833-6	0.9	3
251	Haemoglobin: Cooperativity in ProteinLigand Interactions 2010 ,		2
250	An investigation of the distal histidyl hydrogen bonds in oxyhemoglobin: effects of temperature, pH, and inositol hexaphosphate. <i>Biochemistry</i> , 2010 , 49, 10606-15	3.2	13
249	Ligand-free open-closed transitions of periplasmic binding proteins: the case of glutamine-binding protein. <i>Biochemistry</i> , 2010 , 49, 1893-902	3.2	50
248	High-resolution cardiac MRI using partially separable functions and weighted spatial smoothness regularization. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 871-4	0.9	8
247	Quantitative temporal profiles of penumbra and infarction during permanent middle cerebral artery occlusion in rats. <i>Translational Stroke Research</i> , 2010 , 1, 220-9	7.8	27
246	Real-time cardiac MRI using prior spatial-spectral information. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 4383-6	0.9	17
245	A DATA-DRIVEN APPROACH TO PRIOR EXTRACTION FOR SEGMENTATION OF LEFT VENTRICLE IN CARDIAC MR IMAGES 2009 , 2009, 831-834	1.5	1
244	Magnetic resonance imaging assessment of macrophage accumulation in mouse brain after experimental traumatic brain injury. <i>Journal of Neurotrauma</i> , 2009 , 26, 1509-19	5.4	40

243	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	7.3	50
242	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, 9532-7	16.4	30
241	Noninvasive evaluation of cardiac allograft rejection by cellular and functional cardiac magnetic resonance. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 731-41	8.4	56
240	Real-time free-breathing strategy for tracking labeled cells with in-vivo cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
239	Non-invasive monitoring allograft rejection by simultaneous cellular and functional cardiac MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009 , 11,	6.9	78
238	Automatic detection of regional heart rejection in USPIO-enhanced MRI. <i>IEEE Transactions on Medical Imaging</i> , 2008 , 27, 1095-106	11.7	10
237	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, 4907-15	3.2	25
236	Interfacial and distal-heme pocket mutations exhibit additive effects on the structure and function of hemoglobin. <i>Biochemistry</i> , 2008 , 47, 10551-63	3.2	16
235	Real-time cardiac MRI without triggering, gating, or breath holding. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 3381-4	0.9	26
234	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, 149-56	16.7	64
233	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	5.4	23
232	Sensitive and automated detection of iron-oxide-labeled cells using phase image cross-correlation analysis. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 618-28	3.3	30
231	Insights into the solution structure of human deoxyhemoglobin in the absence and presence of an allosteric effector. <i>Biochemistry</i> , 2007 , 46, 9973-80	3.2	22
230	A comparative NMR study of the polypeptide backbone dynamics of hemoglobin in the deoxy and carbonmonoxy forms. <i>Biochemistry</i> , 2007 , 46, 6795-803	3.2	28
229	MRI detection of macrophages labeled using micrometer-sized iron oxide particles. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 1210-8	5.6	54
228	Modification of globin gene expression by RNA targeting strategies. <i>Experimental Hematology</i> , 2007 , 35, 1209-18	3.1	4
227	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		15
226	Immune cells detection of the in vivo rejecting heart in USPIO-enhanced magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 942-5		3

225	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, 1852-7	11.5	571
224	Orientation of deoxyhemoglobin at high magnetic fields: structural insights from RDCs in solution. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6290-1	16.4	11
223	Quaternary structure of carbonmonoxyhemoglobins in solution: structural changes induced by the allosteric effector inositol hexaphosphate. <i>Biochemistry</i> , 2006 , 45, 5140-8	3.2	35
222	Dynamics of allostery in hemoglobin: roles of the penultimate tyrosine H bonds. <i>Journal of Molecular Biology</i> , 2006 , 356, 335-53	6.5	34
221	Hypoxia, red blood cells, and nitrite regulate NO-dependent hypoxic vasodilation. <i>Blood</i> , 2006 , 107, 566-74	4.0	8
220	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	1.4	2
219	Recombinant hemoglobin betaG83C-F41Y. <i>FEBS Journal</i> , 2006 , 273, 230-41	5.7	14
218	Backbone resonance assignment of human adult hemoglobin in the deoxy form. <i>Journal of Biomolecular NMR</i> , 2006 , 36 Suppl 1, 1	3	7
217	A biophysical investigation of recombinant hemoglobins with aromatic B10 mutations in the distal heme pockets. <i>Biochemistry</i> , 2005 , 44, 7207-17	3.2	21
216	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, 11920-1	16.4	22
215	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 gamma-chain. <i>Biochemistry</i> , 2005 , 44, 12188-95	3.2	4
214	STACS: new active contour scheme for cardiac MR image segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 593-603	11.7	164
213	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, 1596-612	7.3	29
212	Mapping protein-protein interfaces on the basis of proton density difference. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5141-4	16.4	4
211	Mapping Protein-Protein Interfaces on the Basis of Proton Density Difference. <i>Angewandte Chemie</i> , 2005 , 117, 5271-5274	3.6	
210	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	4.4	32
209	Conjugation of multiple copies of polyethylene glycol to hemoglobin facilitated through thiolation: influence on hemoglobin structure and function. <i>Protein Journal</i> , 2005 , 24, 133-46	3.9	91
208	Biliverdin administration prevents the formation of intimal hyperplasia induced by vascular injury. <i>Circulation</i> , 2005 , 112, 587-91	16.7	68

207	Enzymatic function of hemoglobin as a nitrite reductase that produces NO under allosteric control. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2099-107	15.9	399
206	Normal and transplanted rat kidneys: diffusion MR imaging at 7 T. <i>Radiology</i> , 2004 , 231, 702-9	20.5	53
205	MRI investigations of graft rejection following organ transplantation using rodent models. <i>Methods in Enzymology</i> , 2004 , 386, 73-105	1.7	15
204	Backbone resonance assignments of human adult hemoglobin in the carbonmonoxy form. <i>Journal of Biomolecular NMR</i> , 2004 , 28, 203-4	3	9
203	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, 423-9	3	10
202	MRI detection of tumor in mouse lung using partial liquid ventilation with a perfluorocarbon-in-water emulsion. <i>Magnetic Resonance Imaging</i> , 2004 , 22, 645-52	3.3	19
201	Nuclear magnetic resonance spectroscopy in the study of hemoglobin cooperativity. <i>Methods in Enzymology</i> , 2004 , 379, 28-54	1.7	7
200	The structure--function relationship of hemoglobin in solution at atomic resolution. <i>Chemical Reviews</i> , 2004 , 104, 1219-30	68.1	138
199	Hemoglobin Einstein: semisynthetic deletion in the B-helix of the alpha-chain. <i>Protein Science</i> , 2004 , 13, 1266-75	6.3	3
198	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, 857-68	6.5	41
197	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, 551-66	2.6	48
196	Nuclear magnetic resonance of hemoglobins. <i>Methods in Molecular Medicine</i> , 2003 , 82, 251-69		2
195	Superparamagnetic iron oxide particles transactivator protein-fluorescein isothiocyanate particle labeling for in vivo magnetic resonance imaging detection of cell migration: uptake and durability. <i>Transplantation</i> , 2003 , 76, 1043-6	1.8	56
194	Site mutations disrupt inter-helical H-bonds (alpha14W-alpha67T and beta15W-beta72S) involved in kinetic steps in the hemoglobin R->T transition without altering the free energies of oxygenation. <i>Biophysical Chemistry</i> , 2003 , 100, 131-42	3.5	5
193	Probing the conformation of hemoglobin presbyterian in the R-state. <i>The Protein Journal</i> , 2003 , 22, 221-30		9
192	Improving spatiotemporal resolution of USPIO-enhanced dynamic imaging of rat kidneys. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 593-8	3.3	8
191	Stable octameric structure of recombinant hemoglobin alpha(2)beta(2)83 Gly->Cys. <i>Protein Science</i> , 2003 , 12, 690-5	6.3	16
190	Quaternary structure of hemoglobin in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 517-20	11.5	173

189	MRI of lungs using partial liquid ventilation with water-in-perfluorocarbon emulsions. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 487-92	4.4	25
188	In vivo detection of acute rat renal allograft rejection by MRI with USPIO particles. <i>Kidney International</i> , 2002 , 61, 1124-35	9.9	65
187	Recombinant hemoglobins with low oxygen affinity and high cooperativity. <i>Biophysical Chemistry</i> , 2002 , 98, 15-25	3.5	15
186	An open transverse z-gradient coil design for magnetic resonance imaging. <i>Review of Scientific Instruments</i> , 2002 , 73, 2208-2210	1.7	2
185	Cerebral blood flow at one year after controlled cortical impact in rats: assessment by magnetic resonance imaging. <i>Journal of Neurotrauma</i> , 2002 , 19, 1029-37	5.4	68
184	Effects of amino acid substitutions at beta 131 on the structure and properties of hemoglobin: evidence for communication between alpha 1 beta 1- and alpha 1 beta 2-subunit interfaces. <i>Biochemistry</i> , 2002 , 41, 5644-55	3.2	33
183	Ligand binding properties and structural studies of recombinant and chemically modified hemoglobins altered at beta 93 cysteine. <i>Biochemistry</i> , 2002 , 41, 11901-13	3.2	43
182	NMR investigation of the dynamics of tryptophan side-chains in hemoglobins. <i>Journal of Molecular Biology</i> , 2002 , 321, 863-78	6.5	35
181	Assessment of the effect of 2-chloroadenosine in normal rat brain using spin-labeled MRI measurement of perfusion. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 924-9	4.4	17
180	Cerebral perfusion during anesthesia with fentanyl, isoflurane, or pentobarbital in normal rats studied by arterial spin-labeled MRI. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 202-6	4.4	136
179	USPIO-enhanced dynamic MRI: evaluation of normal and transplanted rat kidneys. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 1152-63	4.4	56
178	Macrophage accumulation associated with rat cardiac allograft rejection detected by magnetic resonance imaging with ultrasmall superparamagnetic iron oxide particles. <i>Circulation</i> , 2001 , 104, 934-8	16.7	135
177	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, 945-50	16.7	67
176	Probing the importance of the amino-terminal sequence of the beta- and gamma-chains to the properties of normal adult and fetal hemoglobins. <i>Biochemistry</i> , 2001 , 40, 12169-77	3.2	6
175	Distal ligand reactivity and quaternary structure studies of proximally detached hemoglobins. <i>Biochemistry</i> , 2001 , 40, 3780-95	3.2	29
174	Magnetic resonance imaging detection of rat renal transplant rejection by monitoring macrophage infiltration. <i>Kidney International</i> , 2000 , 58, 1300-10	9.9	79
173	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, 923-34	1.5	44
172	Attenuation of myocardial ischemia/reperfusion injury by superinduction of inducible nitric oxide synthase. <i>Circulation</i> , 2000 , 101, 2742-8	16.7	169

171	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, 9413-8	11.5	86
170	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, 10354-8	11.5	64
169	Interspecies hybrid HbS: complete neutralization of Val6(beta)-dependent polymerization of human beta-chain by pig alpha-chains. <i>Journal of Molecular Biology</i> , 2000 , 300, 1389-406	6.5	13
168	Chain-selective isotopic labeling for NMR studies of large multimeric proteins: application to hemoglobin. <i>Biophysical Journal</i> , 2000 , 79, 1146-54	2.9	55
167	An additional H-bond in the alpha 1 beta 2 interface as the structural basis for the low oxygen affinity and high cooperativity of a novel recombinant hemoglobin (beta L105W). <i>Biochemistry</i> , 2000 , 39, 13708-18	3.2	17
166	Novel recombinant hemoglobin, rHb (beta N108Q), with low oxygen affinity, high cooperativity, and stability against autoxidation. <i>Biochemistry</i> , 2000 , 39, 13719-29	3.2	25
165	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, 673-81	4.4	57
164	Effects of substitutions of lysine and aspartic acid for asparagine at beta 108 and of tryptophan for valine at alpha 96 on the structural and functional properties of human normal adult hemoglobin: roles of alpha 1 beta 1 and alpha 1 beta 2 subunit interfaces in the cooperative oxygenation process. <i>Biochemistry</i> , 1999 , 38, 8751-61	3.2	39
163	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, 1054-64	5.8	16
162	Detection of single mammalian cells by high-resolution magnetic resonance imaging. <i>Biophysical Journal</i> , 1999 , 76, 103-9	2.9	242
161	A biochemical and biophysical characterization of recombinant mutants of fetal hemoglobin and their interaction with sickle cell hemoglobin. <i>Biochemistry</i> , 1999 , 38, 9549-55	3.2	4
160	Role of Interhelical H-Bonds (W440E7 and W155E2) 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	16.4	27
159	Assessment of roles of surface histidyl residues in the molecular basis of the Bohr effect and of beta 143 histidine in the binding of 2,3-bisphosphoglycerate in human normal adult hemoglobin. <i>Biochemistry</i> , 1999 , 38, 13423-32	3.2	57
158	Recombinant hemoglobin(alpha 29leucine --> phenylalanine, alpha 96valine --> tryptophan, beta 108asparagine --> lysine) exhibits low oxygen affinity and high cooperativity combined with resistance to autoxidation. <i>Biochemistry</i> , 1999 , 38, 13433-42	3.2	25
157	Multi-ribozyme targeting of human alpha-globin gene expression. <i>Blood Cells, Molecules, and Diseases</i> , 1999 , 25, 361-73	2.1	4
156	Perfusion quantitation in transplanted rat kidney by MRI with arterial spin labeling. <i>Kidney International</i> , 1998 , 53, 1783-91	9.9	66
155	Novel water-mediated hydrogen bonds as the structural basis for the low oxygen affinity of the blood substitute candidate rHb(alpha 96Val-->Trp). <i>Biochemistry</i> , 1998 , 37, 9258-65	3.2	25
154	Correct assembly of human normal adult hemoglobin when expressed in transgenic swine: chemical, conformational and functional equivalence with the human-derived protein. <i>Protein Engineering, Design and Selection</i> , 1998 , 11, 583-8	1.9	9

153	Characterization of the lipid-carrier involved in the synthesis of enterobacterial common antigen (ECA) and identification of a novel phosphoglyceride in a mutant of <i>Salmonella typhimurium</i> defective in ECA synthesis. <i>Glycobiology</i> , 1998 , 8, 557-67	5.8	60
152	Recombinant Hemoglobins with Low Oxygen Affinity and High Cooperativity 1998 , 281-296		3
151	Production of human normal adult and fetal hemoglobins in <i>Escherichia coli</i> . <i>Protein Engineering, Design and Selection</i> , 1997 , 10, 1085-97	1.9	73
150	Contribution of surface histidyl residues in the alpha-chain to the Bohr effect of human normal adult hemoglobin: roles of global electrostatic effects. <i>Biochemistry</i> , 1997 , 36, 6663-73	3.2	59
149	Quaternary structure sensitive tyrosine interactions in hemoglobin: a UV resonance Raman study of the double mutant rHb (beta99Asp-->Asn, alpha42Tyr-->Asp). <i>Biochemistry</i> , 1997 , 36, 6197-206	3.2	48
148	Closed form of liganded glutamine-binding protein by rotational-echo double-resonance NMR. <i>Biochemistry</i> , 1997 , 36, 9405-8	3.2	13
147	Assessment of cerebral blood flow and CO2 reactivity after controlled cortical impact by perfusion magnetic resonance imaging using arterial spin-labeling in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997 , 17, 865-74	7.3	68
146	A test of the role of the proximal histidines in the Perutz model for cooperativity in haemoglobin. <i>Nature Structural and Molecular Biology</i> , 1997 , 4, 78-83	17.6	69
145	Automated probabilistic method for assigning backbone resonances of (13C,15N)-labeled proteins. <i>Journal of Biomolecular NMR</i> , 1997 , 9, 151-66	3	80
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