

James S Hyde

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.

257
papers

24,380
citations

60
h-index

153
g-index

263
ext. papers

27,030
ext. citations

3.7
avg, IF

6.43
L-index

#	Paper	IF	Citations
257	Dispersion EPR: Considerations for Low-Frequency Experiments.. <i>Applied Magnetic Resonance</i> , 2022 , 53, 193-206	0.8	1
256	Characterization of the distribution of spin-lattice relaxation rates of lipid spin labels in fiber cell plasma membranes of eye lenses with a stretched-exponential function. <i>Applied Magnetic Resonance</i> , 2019 , 50, 903-918	0.8	7
255	Uniform Field Resonators for EPR Spectroscopy: A Review. <i>Cell Biochemistry and Biophysics</i> , 2019 , 77, 3-14	3.2	4
254	Rutile dielectric loop-gap resonator for X-band EPR spectroscopy of small aqueous samples. <i>Journal of Magnetic Resonance</i> , 2019 , 307, 106585	3	8
253	Axially uniform magnetic field-modulation excitation for electron paramagnetic resonance in rectangular and cylindrical cavities by slot cutting. <i>Journal of Magnetic Resonance</i> , 2017 , 274, 115-124	3	2
252	Extruded dielectric sample tubes of complex cross section for EPR signal enhancement of aqueous samples. <i>Journal of Magnetic Resonance</i> , 2017 , 277, 45-51	3	6
251	Saturation recovery EPR spin-labeling method for quantification of lipids in biological membrane domains. <i>Applied Magnetic Resonance</i> , 2017 , 48, 1355-1373	0.8	11
250	Uniform field loop-gap resonator and rectangular TE for aqueous sample EPR at 94GHz. <i>Journal of Magnetic Resonance</i> , 2017 , 282, 129-135	3	6
249	EPR UNIFORM FIELD SIGNAL ENHANCEMENT BY DIELECTRIC TUBES IN CAVITIES. <i>Applied Magnetic Resonance</i> , 2017 , 48, 1185-1204	0.8	6
248	Autobiography of James S. Hyde. <i>Applied Magnetic Resonance</i> , 2017 , 48, 1103-1147	0.8	
247	Broadband W-band Rapid Frequency Sweep Considerations for Fourier Transform EPR. <i>Cell Biochemistry and Biophysics</i> , 2017 , 75, 259-273	3.2	6
246	Separation of parallel encoded complex-valued slices (SPECS) from a single complex-valued aliased coil image. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 359-69	3.3	2
245	Hyperbolic-cosine waveguide tapers and oversize rectangular waveguide for reduced broadband insertion loss in W-band electron paramagnetic resonance spectroscopy. II. Broadband characterization. <i>Review of Scientific Instruments</i> , 2016 , 87, 034704	1.7	3
244	MRI surface-coil pair with strong inductive coupling. <i>Review of Scientific Instruments</i> , 2016 , 87, 124704	1.7	9
243	Spin-labeled small unilamellar vesicles with the -sensitive saturation-recovery EPR display as an oxygen sensitive analyte for measurement of cellular respiration. <i>Applied Magnetic Resonance</i> , 2015 , 46, 885-895	0.8	6
242	Spin-label CW microwave power saturation and rapid passage with triangular non-adiabatic rapid sweep (NARS) and adiabatic rapid passage (ARP) EPR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2015 , 255, 68-76	3	6
241	Restoring susceptibility induced MRI signal loss in rat brain at 9.4 T: A step towards whole brain functional connectivity imaging. <i>PLoS ONE</i> , 2015 , 10, e0119450	3.7	8

240	Early evaluation of nerve regeneration after nerve injury and repair using functional connectivity MRI. <i>Neurorehabilitation and Neural Repair</i> , 2014 , 28, 707-15	4.7	9
239	BOLD fMRI AND fcMRI in the Pediatric Brachial Plexus Injury Population. <i>Plastic and Reconstructive Surgery</i> , 2014 , 134, 153-154	2.7	
238	Direct radiofrequency phase control in MRI by digital waveform playback at the Larmor frequency. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 846-52	4.4	4
237	A microwave resonator for limiting depth sensitivity for electron paramagnetic resonance spectroscopy of surfaces. <i>Review of Scientific Instruments</i> , 2014 , 85, 104707	1.7	13
236	Spin-label W-band EPR with seven-loop-six-gap resonator: Application to lens membranes derived from eyes of a single donor. <i>Applied Magnetic Resonance</i> , 2014 , 45, 1343-1358	0.8	12
235	Functional connectivity in rat brain at 200 μ m resolution. <i>Brain Connectivity</i> , 2014 , 4, 470-80	2.7	11
234	C7 nerve root sensory distribution in peripheral nerves: a bold functional magnetic resonance imaging investigation at 9.4 T. <i>Muscle and Nerve</i> , 2014 , 49, 40-6	3.4	5
233	Transhemispheric cortical plasticity following contralateral C7 nerve transfer: a rat functional magnetic resonance imaging survival study. <i>Journal of Hand Surgery</i> , 2013 , 38, 478-87	2.6	16
232	Moving difference (MDIFF) non-adiabatic rapid sweep (NARS) EPR of copper(II). <i>Journal of Magnetic Resonance</i> , 2013 , 236, 15-25	3	14
231	Cortical plasticity induced by different degrees of peripheral nerve injuries: a rat functional magnetic resonance imaging study under 9.4 Tesla. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2013 , 8, 4	1.5	8
230	Using spin-label W-band EPR to study membrane fluidity profiles in samples of small volume. <i>Journal of Magnetic Resonance</i> , 2013 , 226, 35-44	3	29
229	Inter-spin distance determination using L-band (1-2 GHz) non-adiabatic rapid sweep electron paramagnetic resonance (NARS EPR). <i>Journal of Magnetic Resonance</i> , 2012 , 221, 51-6	3	17
228	Cross-correlation: an fMRI signal-processing strategy. <i>NeuroImage</i> , 2012 , 62, 848-51	7.9	24
227	Reproducibility of swallow-induced cortical BOLD positive and negative fMRI activity. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G600-9	5.1	14
226	Multifrequency EPR: Experimental Considerations 2011 , 229-294		3
225	Detection of undistorted continuous wave (CW) electron paramagnetic resonance (EPR) spectra with non-adiabatic rapid sweep (NARS) of the magnetic field. <i>Journal of Magnetic Resonance</i> , 2011 , 211, 228-33	3	26
224	Spin-label saturation-recovery EPR at W-band: applications to eye lens lipid membranes. <i>Journal of Magnetic Resonance</i> , 2011 , 212, 86-94	3	19
223	Membrane fluidity profiles as deduced by saturation-recovery EPR measurements of spin-lattice relaxation times of spin labels. <i>Journal of Magnetic Resonance</i> , 2011 , 212, 418-25	3	39

222	Long-term vascular access ports as a means of sedative administration in a rodent fMRI survival model. <i>Journal of Neuroscience Methods</i> , 2011 , 200, 106-12	3	4
221	Refining the sensory and motor ratunculus of the rodent upper extremity: evaluation of the C7 nerve root using fMRI and direct nerve stimulation. <i>Hand</i> , 2011 , 6, 194-201	1.4	1
220	Two-axis acceleration of functional connectivity magnetic resonance imaging by parallel excitation of phase-tagged slices and half k-space acceleration. <i>Brain Connectivity</i> , 2011 , 1, 81-90	2.7	14
219	Enhancing effects of flavored nutritive stimuli on cortical swallowing network activity. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G422-9	5.1	36
218	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4734-9	11.5	2183
217	Interhemispheric neuroplasticity following limb deafferentation detected by resting-state functional connectivity magnetic resonance imaging (fcMRI) and functional magnetic resonance imaging (fMRI). <i>NeuroImage</i> , 2010 , 49, 2467-78	7.9	101
216	W-band frequency-swept EPR. <i>Journal of Magnetic Resonance</i> , 2010 , 205, 93-101	3	24
215	Coupling of Waveguide and Resonator by Inductive and Capacitive Irises for EPR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2009 , 35, 285-318	0.8	17
214	EPR of Cu ²⁺ prion protein constructs at 2 GHz using the g(perpendicular) region to characterize nitrogen ligation. <i>Biophysical Journal</i> , 2009 , 96, 3354-62	2.9	13
213	A protocol for use of medetomidine anesthesia in rats for extended studies using task-induced BOLD contrast and resting-state functional connectivity. <i>NeuroImage</i> , 2009 , 46, 1137-47	7.9	107
212	Dielectric microwave resonators in TE(011) cavities for electron paramagnetic resonance spectroscopy. <i>Review of Scientific Instruments</i> , 2008 , 79, 094702	1.7	35
211	High spatial resolution increases the specificity of block-design BOLD fMRI studies of overt vowel production. <i>NeuroImage</i> , 2008 , 41, 389-97	7.9	8
210	Modeling of region-specific fMRI BOLD neurovascular response functions in rat brain reveals residual differences that correlate with the differences in regional evoked potentials. <i>NeuroImage</i> , 2008 , 41, 525-34	7.9	46
209	Cortical brain mapping of peripheral nerves using functional magnetic resonance imaging in a rodent model. <i>Journal of Reconstructive Microsurgery</i> , 2008 , 24, 551-7	2.5	8
208	Magnetic resonance imaging as an aid in the dynamic assessment of the velopharyngeal mechanism in children. <i>Plastic and Reconstructive Surgery</i> , 2008 , 122, 572-577	2.7	32
207	Resting-state functional connectivity of the rat brain. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1021-9	4.4	170
206	Saturation recovery EPR and ELDOR at W-band for spin labels. <i>Journal of Magnetic Resonance</i> , 2008 , 193, 297-304	3	39
205	Three-dimensional dynamic structure of the liquid-ordered domain in lipid membranes as examined by pulse-EPR oxygen probing. <i>Biophysical Journal</i> , 2007 , 92, 1573-84	2.9	57

204	Refining the sensory and motor ratunculus of the rat upper extremity using fMRI and direct nerve stimulation. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 901-9	4.4	26
203	Microwave frequency modulation in CW EPR at W-band using a loop-gap resonator. <i>Journal of Magnetic Resonance</i> , 2007 , 185, 259-63	3	21
202	Uniform radio frequency fields in loop-gap resonators for EPR spectroscopy. <i>Applied Magnetic Resonance</i> , 2007 , 31, 573-589	0.8	24
201	Multipurpose EPR loop-gap resonator and cylindrical TE011 cavity for aqueous samples at 94 GHz. <i>Review of Scientific Instruments</i> , 2007 , 78, 034701	1.7	36
200	Surface and Other Local Coils for In Vivo Studies 2007 ,		1
199	Digit tapping model of functional activation in the rat somatosensory cortex. <i>Journal of Neuroscience Methods</i> , 2006 , 157, 48-53	3	1
198	EPR at work: Part 1. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2006 , 28A, 1-25	0.6	5
197	EPR at work: Part 2. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2006 , 28A, 26-50	0.6	
196	EPR at work: Part 3. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2006 , 28A, 51-75	0.6	
195	EPR at work: Part 4. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2006 , 28A, 76-100	0.6	
194	Water diffusion heterogeneity index in the human brain is insensitive to the orientation of applied magnetic field gradients. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 235-9	4.4	74
193	Strategies for block-design fMRI experiments during task-related motion of structures of the oral cavity. <i>NeuroImage</i> , 2006 , 29, 1260-71	7.9	34
192	Measurements of tissue T1 spin-lattice relaxation time and discrimination of large draining veins using transient EPI data sets in BOLD-weighted fMRI acquisitions. <i>NeuroImage</i> , 2006 , 32, 603-15	7.9	8
191	Temporal evolution of the CBV-fMRI signal to rat whisker stimulation of variable duration and intensity: a linearity analysis. <i>NeuroImage</i> , 2005 , 26, 432-40	7.9	27
190	Multiquantum EPR spectroscopy of spin-labeled arrestin K267C at 35 GHz. <i>Biophysical Journal</i> , 2005 , 88, 3641-7	2.9	21
189	Aqueous flat-cells perpendicular to the electric field for use in electron paramagnetic resonance spectroscopy, II: design. <i>Journal of Magnetic Resonance</i> , 2005 , 172, 333-41	3	23
188	Concentration by centrifugation for gas exchange EPR oximetry measurements with loop-gap resonators. <i>Journal of Magnetic Resonance</i> , 2005 , 176, 244-8	3	36
187	Microwave leakage from field modulation slots in TE011 electron paramagnetic resonance cavities. <i>Review of Scientific Instruments</i> , 2005 , 76, 014702	1.7	12

186	Electron paramagnetic resonance field-modulation eddy-current analysis of silver-plated graphite resonators. <i>Review of Scientific Instruments</i> , 2005 , 76, 094702	1.7	6
185	Characterization of the cerebral cortical representation of heartburn in GERD patients. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, G174-81	5.1	45
184	Cerebral cortical representation of external anal sphincter contraction: effect of effort. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, G304-11	5.1	28
183	Momentum-weighted conjugate gradient descent algorithm for gradient coil optimization. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 158-64	4.4	8
182	Spatial correlations of laminar BOLD and CBV responses to rat whisker stimulation with neuronal activity localized by Fos expression. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 1060-8	4.4	102
181	Intravoxel distribution of DWI decay rates reveals C6 glioma invasion in rat brain. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 994-1004	4.4	51
180	A versatile Q-band electron paramagnetic resonance spectrometer 2004 ,		2
179	Spin-Label EPR T1 Values Using Saturation Recovery from 2 to 35 GHz. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 9524-9529	3.4	45
178	Characterization of continuously distributed cortical water diffusion rates with a stretched-exponential model. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 727-34	4.4	335
177	Single-shot magnetic field mapping embedded in echo-planar time-course imaging. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 839-43	4.4	38
176	Multishot partial-k-space EPI for high-resolution fMRI demonstrated in a rat whisker barrel stimulation model at 3T. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 1215-22	4.4	19
175	Aqueous flat cells perpendicular to the electric field for use in electron paramagnetic resonance spectroscopy. <i>Journal of Magnetic Resonance</i> , 2003 , 165, 137-52	3	22
174	Molecular dynamics of 1-palmitoyl-2-oleoylphosphatidylcholine membranes containing transmembrane alpha-helical peptides with alternating leucine and alanine residues. <i>Biochemistry</i> , 2003 , 42, 3939-48	3.2	45
173	Cavities with axially uniform fields for use in electron paramagnetic resonance. III. Re-entrant geometries. <i>Review of Scientific Instruments</i> , 2002 , 73, 4003-4009	1.7	18
172	Cavities with axially uniform fields for use in electron paramagnetic resonance. II. Free space generalization. <i>Review of Scientific Instruments</i> , 2002 , 73, 3027-3037	1.7	25
171	High-resolution fMRI using multislice partial k-space GR-EPI with cubic voxels. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 114-25	4.4	135
170	Localization of the cortical response to smiling using new imaging paradigms with functional magnetic resonance imaging. <i>Plastic and Reconstructive Surgery</i> , 2001 , 108, 1136-44	2.7	22
169	Axially uniform resonant cavity modes for potential use in electron paramagnetic resonance spectroscopy. <i>Review of Scientific Instruments</i> , 2001 , 72, 4188-4200	1.7	36

168	Pulse saturation recovery, pulse ELDOR, and free induction decay electron paramagnetic resonance detection using time-locked subsampling. <i>Review of Scientific Instruments</i> , 2001 , 72, 1837	1.7	16
167	Pulse EPR detection of lipid exchange between protein-rich raft and bulk domains in the membrane: methodology development and its application to studies of influenza viral membrane. <i>Biophysical Journal</i> , 2001 , 80, 738-48	2.9	90
166	Gender differences in cortical representation of rectal distension in healthy humans. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, G1512-23	5.1	71
165	Swallow-related cerebral cortical activity maps are not specific to deglutition. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 280, G531-8	5.1	68
164	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T(1)-based tissue identification. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 137-43	4.4	117
163	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation with T1-based tissue identification 2000 , 44, 137		2
162	Oriented Self-Association of Copper(II) Tetraphenylporphine in Liquid-Crystalline Lipid Bilayer Membranes: An EPR Study. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4054-4059	16.4	1
161	QUIPSS II with thin-slice T1 periodic saturation: a method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 1246-54	4.4	411
160	QUIPSS II with thin-slice T1 periodic saturation: A method for improving accuracy of quantitative perfusion imaging using pulsed arterial spin labeling 1999 , 41, 1246		2
159	Functional MRI of brain activation induced by scanner acoustic noise. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 410-6	4.4	200
158	Single-shot half k-space high-resolution gradient-recalled EPI for fMRI at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 754-62	4.4	84
157	Simultaneous gradient-echo/spin-echo EPI of graded ischemia in human skeletal muscle. <i>Journal of Magnetic Resonance Imaging</i> , 1998 , 8, 1106-13	5.6	54
156	Oxygen permeability of thylakoid membranes: electron paramagnetic resonance spin labeling study. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1998 , 1365, 453-63	4.6	49
155	Identification and characterization of cerebral cortical response to esophageal mucosal acid exposure and distention. <i>Gastroenterology</i> , 1998 , 115, 1353-62	13.3	126
154	ELDOR SPECTROSCOPY 1998 , 577-586		3
153	SATURATION RECOVERY 1998 , 607-618		10
152	EPR AT VARIAN: 1954-1974 1998 , 695-716		5
151	MULTIQUANTUM EPR 1998 , 741-757		6

150	Electron paramagnetic resonance detection by time-locked subsampling. <i>Review of Scientific Instruments</i> , 1998 , 69, 2622-2628	1.7	39
149	Molecular organization and dynamics of 1-palmitoyl-2-oleoylphosphatidylcholine bilayers containing a transmembrane alpha-helical peptide. <i>Biochemistry</i> , 1998 , 37, 3156-64	3.2	79
148	Membranes. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 399-408	3.6	10
147	Hypercapnia reversibly suppresses low-frequency fluctuations in the human motor cortex during rest using echo-planar MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997 , 17, 301-8	7.3	138
146	The effect of magnetization transfer on functional MRI signals. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 187-92	4.4	12
145	Contour-based registration technique to differentiate between task-activated and head motion-induced signal variations in fMRI. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 470-6	4.4	43
144	Simultaneous assessment of flow and BOLD signals in resting-state functional connectivity maps. <i>NMR in Biomedicine</i> , 1997 , 10, 165-70	4.4	438
143	Software tools for analysis and visualization of fMRI data. <i>NMR in Biomedicine</i> , 1997 , 10, 171-8	4.4	542
142	Simultaneous assessment of flow and BOLD signals in resting-state functional connectivity maps 1997 , 10, 165		2
141	Depth dependence of the perturbing effect of placing a bulky group (oxazolidine ring spin labels) in the membrane on the membrane phase transition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1278, 68-72	3.8	14
140	Permeability of nitric oxide through lipid bilayer membranes. <i>Free Radical Research</i> , 1996 , 24, 343-9	4	97
139	Reduction of physiological fluctuations in fMRI using digital filters. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 107-13	4.4	246
138	Diffusion weighted fMRI at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 155-8	4.4	192
137	Bimodal loop-gap resonator. <i>Review of Scientific Instruments</i> , 1996 , 67, 1896-1904	1.7	26
136	Hyperfine selectivity using multiquantum electron-nuclear-electron triple resonance. <i>Journal of Chemical Physics</i> , 1996 , 104, 9644-9646	3.9	4
135	A dynamic analysis of changes in the nasolabial fold using magnetic resonance imaging: implications for facial rejuvenation and facial animation surgery. <i>Plastic and Reconstructive Surgery</i> , 1996 , 98, 622-36	2.7	111
134	A general purpose multiquantum electron paramagnetic resonance spectrometer. <i>Review of Scientific Instruments</i> , 1995 , 66, 4516-4528	1.7	17
133	General method for adjusting the quality factor of EPR resonators. <i>Review of Scientific Instruments</i> , 1995 , 66, 4857-4865	1.7	21

132	Artifacts in functional magnetic resonance imaging from gaseous oxygen. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 443-5	5.6	19
131	Real-time functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 230-6	4.4	234
130	Functional connectivity in the motor cortex of resting human brain using echo-planar MRI. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 537-41	4.4	6922
129	Electron Paramagnetic Resonance 1995 , 365-402		6
128	Probehead with interchangeable loop-gap resonators and rf coils for multifrequency EPR/ENDOR. <i>Review of Scientific Instruments</i> , 1994 , 65, 63-67	1.7	9
127	Echo-volume imaging. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 668-71	4.4	43
126	Spin-echo and gradient-echo EPI of human brain activation using BOLD contrast: a comparative study at 1.5 T. <i>NMR in Biomedicine</i> , 1994 , 7, 12-20	4.4	269
125	Binding and state of aggregation of spin-labeled cecropin AD in phospholipid bilayers: effects of surface charge and fatty acyl chain length. <i>Biochemistry</i> , 1994 , 33, 6691-9	3.2	45
124	Molecular organization and dynamics in bacteriorhodopsin-rich reconstituted membranes: discrimination of lipid environments by the oxygen transport parameter using a pulse ESR spin-labeling technique. <i>Biochemistry</i> , 1994 , 33, 4947-52	3.2	82
123	Hydrophobic barriers of lipid bilayer membranes formed by reduction of water penetration by alkyl chain unsaturation and cholesterol. <i>Biochemistry</i> , 1994 , 33, 7670-81	3.2	269
122	Physiology of the Lower Eyelid Retractors. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 1994 , 10, 87-91	4.4	31
121	Aggregation state of spin-labeled cecropin AD in solution. <i>Biochemistry</i> , 1993 , 32, 11895-902	3.2	31
120	Continuous wave multiquantum electron paramagnetic resonance spectroscopy. III. Theory of intermodulation sidebands. <i>Journal of Chemical Physics</i> , 1993 , 98, 1786-1796	3.9	28
119	Continuous wave multiquantum electron paramagnetic resonance spectroscopy. IV. Multiquantum electron nuclear double resonance. <i>Journal of Chemical Physics</i> , 1993 , 99, 4975-4985	3.9	12
118	Processing strategies for time-course data sets in functional MRI of the human brain. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 161-73	4.4	1484
117	Multifrequency ESR of Copper Biophysical Applications. <i>Biological Magnetic Resonance</i> , 1993 , 103-150	0.5	19
116	X-band low phase noise Gunn diode oscillator for EPR spectroscopy. <i>Review of Scientific Instruments</i> , 1992 , 63, 4010-4011	1.7	7
115	Anterior segment high resolution MRI: aqueous humor dynamics observed using contrast agents. <i>Experimental Eye Research</i> , 1992 , 54, 145-8	3.7	8

114	Time course EPI of human brain function during task activation. <i>Magnetic Resonance in Medicine</i> , 1992 , 25, 390-7	4.4	1470
113	Noise correlation exists for independent rf coils. <i>Magnetic Resonance in Medicine</i> , 1992 , 25, 408	4.4	4
112	Noise correlation. <i>Magnetic Resonance in Medicine</i> , 1991 , 20, 36-47	4.4	25
111	Coil optimization for MRI by conjugate gradient descent. <i>Magnetic Resonance in Medicine</i> , 1991 , 21, 39-48	4.4	81
110	Electron paramagnetic resonance Q-band bridge with GaAs field-effect transistor signal amplifier and low-noise Gunn diode oscillator. <i>Review of Scientific Instruments</i> , 1991 , 62, 2969-2975	1.7	25
109	Continuous wave multi-quantum electron paramagnetic resonance spectroscopy. II. Spin-system generated intermodulation sidebands. <i>Journal of Chemical Physics</i> , 1991 , 94, 5907-5916	3.9	33
108	Effect of alkyl chain unsaturation and cholesterol intercalation on oxygen transport in membranes: a pulse ESR spin labeling study. <i>Biochemistry</i> , 1991 , 30, 8578-90	3.2	122
107	Phase noise reduction of a 19 GHz varactor-tuned Gunn oscillator for electron paramagnetic resonance spectroscopy. <i>Review of Scientific Instruments</i> , 1990 , 61, 2248-2250	1.7	10
106	Continuous wave multi-quantum electron paramagnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1990 , 93, 3891-3898	3.9	31
105	Microimmiscibility and three-dimensional dynamic structures of phosphatidylcholine-cholesterol membranes: translational diffusion of a copper complex in the membrane. <i>Biochemistry</i> , 1990 , 29, 7936-45	3.2	69
104	Spin-Label Oximetry. <i>Biological Magnetic Resonance</i> , 1989 , 399-425	0.5	73
103	Gordon coupler for K-band EPR loop gap resonator. <i>Review of Scientific Instruments</i> , 1989 , 60, 389-391	1.7	10
102	Use of high observing power in electron spin resonance saturation-recovery experiments in spin-labeled membranes. <i>Journal of Chemical Physics</i> , 1989 , 91, 6029-6035	3.9	20
101	Piezoelectric-controlled tuning capacitor for surface coils. <i>Magnetic Resonance in Medicine</i> , 1989 , 12, 50-5	4.4	6
100	The Bruker lecture alternatives to field modulation in electron spin resonance spectroscopy. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 3901		29
99	LOOP GAP RESONATORS 1989 , 277-305		33
98	Electron-Electron Double Resonance. <i>Biological Magnetic Resonance</i> , 1989 , 305-307	0.5	9
97	Simultaneous image acquisition from the head (or body) coil and a surface coil. <i>Magnetic Resonance in Medicine</i> , 1988 , 6, 235-9	4.4	12

96	Doubly tuned local coils for MRI and MRS at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1988 , 6, 253-64	4.4	20
95	EPR automatic frequency control circuit with field effect transistor (FET) microwave amplification. <i>Review of Scientific Instruments</i> , 1988 , 59, 1352-1356	1.7	20
94	Spin-Label Saturation-Recovery Electron Spin Resonance Measurements of Oxygen Transport in Membranes*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1987 , 153, 57-65	3.1	24
93	High resolution MR imaging of glomus tumor. <i>Journal of Computer Assisted Tomography</i> , 1987 , 11, 351-22.2		27
92	Continuous and stopped flow EPR spectrometer based on a loop gap resonator. <i>Review of Scientific Instruments</i> , 1987 , 58, 1879-1886	1.7	143
91	Multifrequency ESR with Fourier analysis of copper(II)-(histidine) _n . 2. Mobile phase. <i>Inorganic Chemistry</i> , 1987 , 26, 801-805	5.1	32
90	Evulsion of the retina associated with optic nerve evulsion. <i>American Journal of Ophthalmology</i> , 1987 , 104, 5-9	4.9	16
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