Andreas Trabesinger

List of Publications by Year
in descending order

76	2,053	361413	233421
papers	citations	20 h-index	45 g-index

103	103	103	2215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Schizophrenia: glutathione deficit in cerebrospinal fluid and prefrontal cortex in vivo. European Journal of Neuroscience, 2000, 12, 3721-3728.	2.6	461
2	Liquid-State NMR and Scalar Couplings in Microtesla Magnetic Fields. Science, 2002, 295, 2247-2249.	12.6	279
3	Microtesla MRI with a superconducting quantum interference device. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7857-7861.	7.1	146
4	SQUID-detected MRI at 132 ?T withT1-weighted contrast established at 10 ?T-300 mT. Magnetic Resonance in Medicine, 2005, 53, 9-14.	3.0	132
5	Brain glutathione levels in patients with epilepsy measured by in vivo ¹ H-MRS. Neurology, 2001, 57, 1422-1427.	1.1	118
6	Detection of glutathione in the human brain in vivo by means of double quantum coherence filtering. Magnetic Resonance in Medicine, 1999, 42, 283-289.	3.0	97
7	Quantum simulation. Nature Physics, 2012, 8, 263-263.	16.7	92
8	Quantitative 1H MRS in the evaluation of mesial temporal lobe epilepsy in vivo. Magnetic Resonance Imaging, 1998, 16, 969-979.	1.8	80
9	Hyperpolarized Xenon Nuclear Spins Detected by Optical Atomic Magnetometry. Physical Review Letters, 2004, 93, 160801.	7.8	70
10	Calculated signal-to-noise ratio of MRI detected with SQUIDs and Faraday detectors in fields from 10Î¼T to 1.5T. Journal of Magnetic Resonance, 2007, 186, 182-192.	2.1	68
11	SQUID-Detected Magnetic Resonance Imaging in Microtesla Magnetic Fields. Journal of Low Temperature Physics, 2004, 135, 793-821.	1.4	67
12	SQUID-Detected Liquid State NMR in Microtesla Fields. Journal of Physical Chemistry A, 2004, 108, 957-963.	2.5	53
13	Improved selectivity of double quantum coherence filtering for the detection of glutathione in the human brain in vivo. Magnetic Resonance in Medicine, 2001, 45, 708-710.	3.0	42
14	Quantitative1H MRS of the human brainin vivo based on the simulation phantom calibration strategy. Magnetic Resonance in Medicine, 1998, 39, 491-496.	3.0	38
15	Optimizing PRESS localized citrate detection at 3 Tesla. Magnetic Resonance in Medicine, 2005, 54, 51-58.	3.0	34
16	Quantum computing: towards reality. Nature, 2017, 543, S1-S1.	27.8	33
17	In vivo 1H NMR spectroscopy of individual human brain metabolites at moderate field strengths. Magnetic Resonance Imaging, 2003, 21, 1295-1302.	1.8	31
18	Lower than low: Perspectives on zero- to ultralow-field nuclear magnetic resonance. Journal of Magnetic Resonance, 2021, 323, 106886.	2.1	26

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19	Zero- to low-field MRI with averaging of concomitant gradient fields. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1840-1842.	7.1	25
20	NMR detection using laser-polarized xenon as a dipolar sensor. Journal of Magnetic Resonance, 2005, 176, 125-139.	2.1	22
21	Proton magnetic resonance spectroscopy characteristics of a focal cortical dysgenesis during status epilepticus and in the interictal state. Seizure: the Journal of the British Epilepsy Association, 2001, 10, 518-524.	2.0	19
22	Chemical-shift-selective filter for the in vivo detection ofJ-coupled metabolites at 3T. Magnetic Resonance in Medicine, 2005, 53, 275-281.	3.0	19
23	Prostate spectroscopy at 3 Tesla using two-dimensional S-PRESS. Magnetic Resonance in Medicine, 2006, 56, 1220-1228.	3.0	19
24	Single-Quantum Coherence Filter for Strongly Coupled Spin Systems for Localized 1H NMR Spectroscopy. Journal of Magnetic Resonance, 2000, 145, 237-245.	2.1	11
25	Theory of MRI in the presence of zero to low magnetic fields and tensor imaging field gradients. Journal of Magnetic Resonance, 2006, 182, 106-114.	2.1	7
26	Power games. Nature, 2007, 447, 900-903.	27.8	6
27	Quantum leaps, bit by bit. Nature, 2017, 543, S2-S3.	27.8	6
28	Particular magnetic insights. Nature, 2005, 435, 1173-1174.	27.8	4
29	Peaceful berkelium. Nature Chemistry, 2017, 9, 924-924.	13.6	3
30	The natural choice. Nature Physics, 2005, 1, 1-1.	16.7	2
31	How many kisses?. Nature Physics, 2007, 3, 223-223.	16.7	2
32	Take a close look. Nature Physics, 2007, 3, 302-302.	16.7	2
33	Vortices on the scales. Nature Physics, 2007, 3, 591-591.	16.7	2
34	Increasingly frustrated. Nature Physics, 2008, 4, 832-832.	16.7	2
35	Stuck with the flow. Nature Physics, 2008, 4, 15-15.	16.7	2
36	Physics is set spinning. Nature Physics, 2008, 4, S5-S5.	16.7	2

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37	Nothing without water. Nature Physics, 2009, 5, 251-251.	16.7	2
38	Long live the spin. Nature Physics, 2012, 8, 781-782.	16.7	2
39	Magnetic disunity. Nature Physics, 2017, 13, 716-716.	16.7	2
40	Milestones: Photons. Nature Materials, 2010, 9, S3-S3.	27.5	1
41	Lessons to be learned. Nature Physics, 2010, 6, 6-6.	16.7	1
42	Correction on the fly. Nature Physics, 2010, 6, 248-248.	16.7	1
43	Mutual stimulation. Nature Physics, 2010, 6, 560-560.	16.7	1
44	From atoms to molecules. Nature Physics, 2010, 6, 719-719.	16.7	1
45	Bird's eye view. Nature Physics, 2011, 7, 595-595.	16.7	1
46	15 years of Nature Physics. Nature Physics, 2020, 16, 999-1005.	16.7	1
47	METABOLITEN-SPEZIFISCHE IN VIVO 1 H-NMR-SPEKTROSKOPIE BEI 1.5 TESLA. Biomedizinische Technik, 2000, 45, 55-56.	0.8	0
48	FC11.06 A Unified Hypothesis of Schizophrenia Based on Glutathione Deficit. European Psychiatry, 2000, 15, 299s-299s.	0.2	0
49	ç'°å¢ƒã«ã„ã•ã•—ã‚F1. Nature Digest, 2007, 4, 14-19.	0.0	0
50	Generality found. Nature Physics, 2007, 3, 85-85.	16.7	0
51	Identification without labels. Nature Physics, 2007, 3, 522-522.	16.7	0
52	Those names to remember. Nature Physics, 2008, 4, 677-677.	16.7	0
53	A host with many facets. Nature Physics, 2008, 4, 272-272.	16.7	0
54	The path to agreement. Nature Physics, 2008, 4, 349-349.	16.7	0

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55	A little light music. Nature Physics, 2009, 5, 90-90.	16.7	0
56	The short version. Nature Physics, 2009, 5, 383-383.	16.7	0
57	Gone up in flames. Nature Physics, 2009, 5, 456-456.	16.7	0
58	Bad news for time travellers. Nature Physics, 2009, 5, 785-785.	16.7	0
59	Shaken foundations. Nature Physics, 2009, 5, 863-863.	16.7	0
60	The Bruegel code. Nature Physics, 2010, 6, 83-83.	16.7	0
61	How hard is physics?. Nature Physics, 2010, 6, 327-327.	16.7	0
62	In two minds. Nature Physics, 2010, 6, 405-405.	16.7	0
63	Under the spell of the rings. Nature Physics, 2010, 6, 841-841.	16.7	0
64	The mighty ocean. Nature Physics, 2010, 6, 939-939.	16.7	0
65	Quantum light. Nature Materials, 2010, 9, S12-S13.	27.5	0
66	It doesn't work. Nature Physics, 2011, 7, 189-189.	16.7	0
67	Watch it unfold. Nature Physics, 2011, 7, 372-372.	16.7	0
68	Perfecting imperfection. Nature Physics, 2011, 7, 930-930.	16.7	0
69	Less room for failure. Nature Physics, 2011, 7, 745-745.	16.7	0
70	Unearthly beauty. Nature Physics, 2012, 8, 112-112.	16.7	0
71	The coming of Twitter. Nature Physics, 2012, 8, 184-184.	16.7	0
72	An electrifying journey. Nature Nanotechnology, 2016, 11, 1008-1009.	31.5	0

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73	When quantum mechanics became huge. Nature Physics, 2017, 13, 826-826.	16.7	0
74	Out of equilibrium. Nature Physics, 0, , .	16.7	0
75	Drop by drop. Nature Physics, 0, , .	16.7	0
76	Mind-boggling reality. Nature Physics, 2008, 4, S12-S12.	16.7	0