

# Stefan Knecht

## List of Publications by Year in descending order

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196  
papers

14,917  
citations

15504

65  
h-index

21540

114  
g-index

208  
all docs

208  
docs citations

208  
times ranked

15754  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Dalton quantum chemistry program system. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2014, 4, 269-284.	14.6	1,166
2	OpenMolcas: From Source Code to Insight. Journal of Chemical Theory and Computation, 2019, 15, 5925-5964.	5.3	661
3	High impact running improves learning. Neurobiology of Learning and Memory, 2007, 87, 597-609.	1.9	592
4	Caloric restriction improves memory in elderly humans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1255-1260.	7.1	471
5	Physical activity and memory functions: An interventional study. Neurobiology of Aging, 2011, 32, 1304-1319.	3.1	387
6	Noninvasive Brain Stimulation Improves Language Learning. Journal of Cognitive Neuroscience, 2008, 20, 1415-1422.	2.3	367
7	Atrial fibrillation in stroke-free patients is associated with memory impairment and hippocampal atrophy. European Heart Journal, 2008, 29, 2125-2132.	2.2	296
8	Hippocampus activity differentiates good from poor learners of a novel lexicon. NeuroImage, 2005, 25, 958-968.	4.2	287
9	Modern quantum chemistry with [Open]Molcas. Journal of Chemical Physics, 2020, 152, 214117.	3.0	281
10	Transcranial magnetic stimulation of the occipital pole interferes with verbal processing in blind subjects. Nature Neuroscience, 2004, 7, 1266-1270.	14.8	256
11	Pain sensitivity can be assessed by self-rating: Development and validation of the Pain Sensitivity Questionnaire. Pain, 2009, 146, 65-74.	4.2	252
12	Degree of language lateralization determines susceptibility to unilateral brain lesions. Nature Neuroscience, 2002, 5, 695-699.	14.8	219
13	Physical activity and memory functions: Are neurotrophins and cerebral gray matter volume the missing link?. NeuroImage, 2010, 49, 2756-2763.	4.2	213
14	Levodopa: Faster and better word learning in normal humans. Annals of Neurology, 2004, 56, 20-26.	5.3	208
15	The assessment of hemispheric lateralization in functional MRI—Robustness and reproducibility. NeuroImage, 2006, 33, 204-217.	4.2	199
16	Serum C-reactive protein is linked to cerebral microstructural integrity and cognitive function. Neurology, 2010, 74, 1022-1029.	1.1	196
17	The DIRAC code for relativistic molecular calculations. Journal of Chemical Physics, 2020, 152, 204104.	3.0	191
18	Language perception activates the hand motor cortex: implications for motor theories of speech perception. European Journal of Neuroscience, 2003, 18, 704-708.	2.6	178

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19	Dopaminergic influences on formation of a motor memory. <i>Annals of Neurology</i> , 2005, 58, 121-130.	5.3	171
20	Non-invasive brain stimulation improves object-location learning in the elderly. <i>Neurobiology of Aging</i> , 2012, 33, 1682-1689.	3.1	168
21	Electrical Stimulation of Broca's Area Enhances Implicit Learning of an Artificial Grammar. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2427-2436.	2.3	166
22	Short-Term Anomia Training and Electrical Brain Stimulation. <i>Stroke</i> , 2011, 42, 2065-2067.	2.0	161
23	Crossed cerebro-cerebellar language dominance. <i>Human Brain Mapping</i> , 2005, 24, 165-172.	3.6	149
24	Neuroimaging evidence for cortical involvement in the preparation and in the act of swallowing. <i>NeuroImage</i> , 2003, 20, 135-144.	4.2	145
25	AVERAGE: a Windows® program for automated analysis of event related cerebral blood flow. <i>Journal of Neuroscience Methods</i> , 1997, 75, 147-154.	2.5	144
26	Transcranial direct current stimulation disrupts tactile perception. <i>European Journal of Neuroscience</i> , 2004, 20, 313-316.	2.6	137
27	Influence of somatosensory input on motor function in patients with chronic stroke. <i>Annals of Neurology</i> , 2004, 56, 206-212.	5.3	135
28	Input-increase and input-decrease types of cortical reorganization after upper extremity amputation in humans. <i>Experimental Brain Research</i> , 1997, 117, 161-164.	1.5	134
29	The investigation of functional brain lateralization by transcranial Doppler sonography. <i>NeuroImage</i> , 2004, 21, 1124-1146.	4.2	133
30	Plasticity of plasticity? Changes in the pattern of perceptual correlates of reorganization after amputation. <i>Brain</i> , 1998, 121, 717-724.	7.6	131
31	Pattern of cortical reorganization in amyotrophic lateral sclerosis: a functional magnetic resonance imaging study. <i>Experimental Brain Research</i> , 2002, 143, 51-56.	1.5	130
32	Nerve fiber impairment of anterior thalamocortical circuitry in juvenile myoclonic epilepsy. <i>Neurology</i> , 2008, 71, 1981-1985.	1.1	126
33	Validation of the Pain Sensitivity Questionnaire in chronic pain patients. <i>Pain</i> , 2012, 153, 1210-1218.	4.2	123
34	Benchmarking Time-Dependent Density Functional Theory for Excited State Geometries of Organic Molecules in Gas-Phase and in Solution. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 2209-2220.	5.3	123
35	Dopaminergic effects on encoding of a motor memory in chronic stroke. <i>Neurology</i> , 2005, 65, 472-474.	1.1	116
36	Quantum-Chemical Investigation of the Structures and Electronic Spectra of the Nucleic Acid Bases at the Coupled Cluster CC2 Level. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5482-5491.	2.5	108

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37	Imaging short- and long-term training success in chronic aphasia. BMC Neuroscience, 2009, 10, 118.	1.9	107
38	Abnormal brain activation during movement observation in patients with conversion paralysis. NeuroImage, 2006, 29, 1336-1343.	4.2	102
39	How atypical is atypical language dominance?. NeuroImage, 2003, 18, 917-927.	4.2	101
40	Prefrontal Cortex Asymmetry for Memory Encoding of Words and Abstract Shapes. Cerebral Cortex, 2004, 14, 404-409.	2.9	97
41	Hemispheric lateralization of spatial attention in right- and left-hemispheric language dominance. Behavioural Brain Research, 2005, 158, 269-275.	2.2	96
42	High-Normal Blood Pressure Is Associated With Poor Cognitive Performance. Hypertension, 2008, 51, 663-668.	2.7	96
43	New Approaches for ab initio Calculations of Molecules with Strong Electron Correlation. Chimia, 2016, 70, 244.	0.6	94
44	Integrity of the hippocampus and surrounding white matter is correlated with language training success in aphasia. NeuroImage, 2010, 53, 283-290.	4.2	93
45	Changing cortical excitability with low-frequency transcranial magnetic stimulation can induce sustained disruption of tactile perception. Biological Psychiatry, 2003, 53, 175-179.	1.3	91
46	Subcortical reorganization in amyotrophic lateral sclerosis. Experimental Brain Research, 2006, 172, 361-369.	1.5	91
47	Multi-configuration time-dependent density-functional theory based on range separation. Journal of Chemical Physics, 2013, 138, 084101.	3.0	88
48	Multireference Perturbation Theory with Cholesky Decomposition for the Density Matrix Renormalization Group. Journal of Chemical Theory and Computation, 2017, 13, 451-459.	5.3	88
49	Density matrix renormalization group with efficient dynamical electron correlation through range separation. Journal of Chemical Physics, 2015, 142, 224108.	3.0	86
50	Levodopa Improves Procedural Motor Learning in Chronic Stroke Patients. Archives of Physical Medicine and Rehabilitation, 2008, 89, 1633-1641.	0.9	85
51	Large-scale parallel configuration interaction. II. Two- and four-component double-group general active space implementation with application to BiH. Journal of Chemical Physics, 2010, 132, 014108.	3.0	84
52	Syntactic structure and artificial grammar learning: The learnability of embedded hierarchical structures. Cognition, 2008, 107, 763-774.	2.2	82
53	Cortical reorganization in human amputees and mislocalization of painful stimuli to the phantom limb. Neuroscience Letters, 1995, 201, 262-264.	2.1	81
54	Levodopa increases memory encoding and dopamine release in the striatum in the elderly. Neurobiology of Aging, 2008, 29, 267-279.	3.1	80

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55	The Role of Granulocyte-Colony Stimulating Factor (G-CSF) in the Healthy Brain: A Characterization of G-CSF-Deficient Mice. <i>Journal of Neuroscience</i> , 2009, 29, 11572-11581.	3.6	80
56	Communication: Four-component density matrix renormalization group. <i>Journal of Chemical Physics</i> , 2014, 140, 041101.	3.0	79
57	Detection of Asymptomatic Cerebral Microbleeds. <i>Academic Radiology</i> , 2008, 15, 895-900.	2.5	78
58	D-Amphetamine Boosts Language Learning Independent of its Cardiovascular and Motor Arousing Effects. <i>Neuropsychopharmacology</i> , 2004, 29, 1704-1714.	5.4	76
59	Tonic Dopaminergic Stimulation Impairs Associative Learning in Healthy Subjects. <i>Neuropsychopharmacology</i> , 2006, 31, 2552-2564.	5.4	75
60	Parallel and serial processing of haptic information in man: Effects of parietal lesions on sensorimotor hand function. <i>Neuropsychologia</i> , 1996, 34, 669-687.	1.6	74
61	Functional reorganization of the human primary somatosensory cortex after acute pain demonstrated by magnetoencephalography. <i>Neuroscience Letters</i> , 2001, 298, 195-198.	2.1	73
62	Pain is associated with regional grey matter reduction in the general population. <i>Pain</i> , 2011, 152, 904-911.	4.2	72
63	Relativistic quantum chemical calculations show that the uranium molecule U <sub>2</sub> has a quadruple bond. <i>Nature Chemistry</i> , 2019, 11, 40-44.	13.6	72
64	Density matrix renormalization group pair-density functional theory (DMRG-PDFT): singlet-triplet gaps in polyacenes and polyacetylenes. <i>Chemical Science</i> , 2019, 10, 1716-1723.	7.4	69
65	Cortical asymmetries of the human somatosensory hand representation in right- and left-handers. <i>Neuroscience Letters</i> , 1999, 271, 89-92.	2.1	67
66	Development and validation of a language learning model for behavioral and functional-imaging studies. <i>Journal of Neuroscience Methods</i> , 2002, 114, 173-179.	2.5	64
67	Rehabilitation After Stroke. <i>Deutsches A&amp;#x0308;rztblatt International</i> , 2011, 108, 600-6.	0.9	62
68	Can the Language-dominant Hemisphere Be Predicted by Brain Anatomy?. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2013-2029.	2.3	61
69	MÃ¶ssbauer spectroscopy for heavy elements: a relativistic benchmark study of mercury. <i>Theoretical Chemistry Accounts</i> , 2011, 129, 631-650.	1.4	61
70	Second-Order Self-Consistent-Field Density-Matrix Renormalization Group. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2533-2549.	5.3	60
71	New Names for Known Things: On the Association of Novel Word Forms with Existing Semantic Information. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1251-1261.	2.3	59
72	Altered force release control in Parkinson's disease. <i>Behavioural Brain Research</i> , 1995, 67, 43-49.	2.2	58

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73	Orbital entanglement and CASSCF analysis of the Ru–NO bond in a Ruthenium nitrosyl complex. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14383-14392.	2.8	58
74	Influence of Somatosensory Input on Interhemispheric Interactions in Patients With Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 477-485.	2.9	57
75	Specific and nonspecific effects of transcranial magnetic stimulation on picture-word verification. <i>European Journal of Neuroscience</i> , 2004, 20, 1681-1687.	2.6	55
76	Pain Catastrophizing and Pain-related Emotions. <i>Clinical Journal of Pain</i> , 2011, 27, 578-586.	1.9	54
77	Lifestyle and Memory in the Elderly. <i>Neuroepidemiology</i> , 2008, 31, 39-47.	2.3	52
78	Toward Reliable Prediction of the Energy Ladder in Multichromophoric Systems: A Benchmark Study on the FMO Light-Harvesting Complex. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 4928-4938.	5.3	52
79	Cerebral Hemodynamic Response to Generalized Spike-Wave Discharges. <i>Epilepsia</i> , 1998, 39, 1284-1289.	5.1	51
80	Orthopedic and neurological complications of cervical dystonia - review of the literature. <i>Acta Neurologica Scandinavica</i> , 2004, 109, 369-373.	2.1	51
81	Early microstructural white matter changes in patients with HIV: A diffusion tensor imaging study. <i>BMC Neurology</i> , 2012, 12, 23.	1.8	51
82	Diffusion-Tensor Imaging at 3 T. <i>Investigative Radiology</i> , 2007, 42, 338-345.	6.2	49
83	On the Photophysics of Carotenoids: A Multireference DFT Study of Peridinin. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13808-13815.	2.6	48
84	Levodopa improves skilled hand functions in the elderly. <i>European Journal of Neuroscience</i> , 2008, 27, 1301-1307.	2.6	47
85	Large-scale parallel configuration interaction. I. Nonrelativistic and scalar-relativistic general active space implementation with application to (Rb–Ba)+. <i>Journal of Chemical Physics</i> , 2008, 128, 014108.	3.0	47
86	Language lateralization in young children assessed by functional transcranial Doppler sonography. <i>NeuroImage</i> , 2005, 24, 780-790.	4.2	45
87	A shift of paradigm: From noradrenergic to dopaminergic modulation of learning?. <i>Journal of the Neurological Sciences</i> , 2006, 248, 42-47.	0.6	44
88	Foveal Word Reading Requires Interhemispheric Communication. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1373-1387.	2.3	44
89	Carotenoids and Light-Harvesting: From DFT/MRCI to the Tamm–Dancoff Approximation. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 655-666.	5.3	44
90	Determining the hemispheric dominance of spatial attention: A comparison between fTCD and fMRI. <i>Human Brain Mapping</i> , 2004, 23, 168-180.	3.6	43

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91	Decomposing the Hounsfield Unit. <i>Clinical Neuroradiology</i> , 2012, 22, 79-91.	1.9	42
92	Electron correlation within the relativistic no-pair approximation. <i>Journal of Chemical Physics</i> , 2016, 145, 074104.	3.0	41
93	Increasing dopamine levels in the brain improves feedback-based procedural learning in healthy participants: An artificial-grammar-learning experiment. <i>Neuropsychologia</i> , 2010, 48, 3193-3197.	1.6	40
94	Efficient Relativistic Density-Matrix Renormalization Group Implementation in a Matrix-Product Formulation. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 2353-2369.	5.3	40
95	Single and Combined Effects of Cerebral White Matter Lesions and Lacunar Infarctions on Cognitive Function in an Elderly Population. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 118-124.	3.6	39
96	G-CSF Prevents the Progression of Structural Disintegration of White Matter Tracts in Amyotrophic Lateral Sclerosis: A Pilot Trial. <i>PLoS ONE</i> , 2011, 6, e17770.	2.5	39
97	Assessment of charge-transfer excitations with time-dependent, range-separated density functional theory based on long-range MP2 and multiconfigurational self-consistent field wave functions. <i>Journal of Chemical Physics</i> , 2013, 139, 184308.	3.0	39
98	A Nonorthogonal State-Interaction Approach for Matrix Product State Wave Functions. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 5881-5894.	5.3	39
99	Facilitation of somatosensory evoked potentials by exploratory finger movements. <i>Experimental Brain Research</i> , 1993, 95, 330-8.	1.5	38
100	Phantom sensations following acute pain. <i>Pain</i> , 1998, 77, 209-213.	4.2	38
101	Scalp position and efficacy of transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2005, 116, 1988-1993.	1.5	38
102	The association between scalp hair-whorl direction, handedness and hemispheric language dominance. <i>NeuroImage</i> , 2007, 35, 853-861.	4.2	38
103	Executive performance is related to regional gray matter volume in healthy older individuals. <i>Human Brain Mapping</i> , 2013, 34, 3333-3346.	3.6	38
104	Functional magnetic resonance imaging mirrors recovery of visual perception after repetitive tachistoscopic stimulation in patients with partial cortical blindness. <i>Neuroscience Letters</i> , 2003, 335, 192-196.	2.1	36
105	Four-Component Relativistic Coupled Cluster and Configuration Interaction Calculations on the Ground and Excited States of the RbYb Molecule. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12607-12614.	2.5	36
106	Old benefit as much as young patients with stroke from high-intensity neurorehabilitation: cohort analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 526-530.	1.9	36
107	Granulocyte-Colony Stimulating Factor (G-CSF) in Stroke Patients with Concomitant Vascular Disease—A Randomized Controlled Trial. <i>PLoS ONE</i> , 2011, 6, e19767.	2.5	35
108	Impact of Common KIBRA Allele on Human Cognitive Functions. <i>Neuropsychopharmacology</i> , 2011, 36, 1296-1304.	5.4	34

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109	Motor Cortex Preactivation by Standing Facilitates Word Retrieval in Aphasia. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 178-187.	2.9	34
110	Self-consistent embedding of density-matrix renormalization group wavefunctions in a density functional environment. <i>Journal of Chemical Physics</i> , 2015, 142, 044111.	3.0	34
111	Transcranial magnetic stimulationâ€™a sandwich coil design for a better sham. <i>Clinical Neurophysiology</i> , 2006, 117, 440-446.	1.5	33
112	Theoretical study on ThF <sup>+</sup> , a prospective system in search of time-reversal violation. <i>New Journal of Physics</i> , 2015, 17, 043005.	2.9	33
113	Zero field splitting of the chalcogen diatomics using relativistic correlated wave-function methods. <i>Journal of Chemical Physics</i> , 2011, 135, 114106.	3.0	32
114	Comparison of the Cold Pressor Test and Contact Thermode-Delivered Cold Stimuli for the Assessment of Cold Pain Sensitivity. <i>Journal of Pain</i> , 2010, 11, 728-736.	1.4	31
115	Fully relativistic coupled cluster and DFT study of electric field gradients at Hg in 199Hg compounds. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2651.	2.8	31
116	Spinâ€™orbit coupling in actinide cations. <i>Chemical Physics Letters</i> , 2012, 546, 58-62.	2.6	31
117	How does the brain accommodate to increased task difficulty in word finding?. <i>NeuroImage</i> , 2004, 23, 1152-1160.	4.2	30
118	Obesity in neurobiology. <i>Progress in Neurobiology</i> , 2008, 84, 85-103.	5.7	30
119	The electronic structure of the triiodide ion from relativistic correlated calculations: A comparison of different methodologies. <i>Journal of Chemical Physics</i> , 2010, 133, 064305.	3.0	29
120	Polarizable embedding with a multiconfiguration short-range density functional theory linear response method. <i>Journal of Chemical Physics</i> , 2015, 142, 114113.	3.0	29
121	A theoretical benchmark study of the spectroscopic constants of the very heavy rare gas dimers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10978-10986.	2.8	29
122	Regional cerebral blood flow increases during preparation for and processing of sensory stimuli. <i>Experimental Brain Research</i> , 1997, 116, 309-314.	1.5	28
123	When Finding Words Becomes Difficult: Is There Activation of the Subdominant Hemisphere?. <i>NeuroImage</i> , 2002, 16, 794-800.	4.2	28
124	Compensatory weight gain due to dopaminergic hypofunction: new evidence and own incidental observations. <i>Nutrition and Metabolism</i> , 2008, 5, 35.	3.0	28
125	Relativistic quantum chemistry on quantum computers. <i>Physical Review A</i> , 2012, 85, .	2.5	28
126	How much does hypertension affect cognition?. <i>Journal of the Neurological Sciences</i> , 2009, 283, 149-152.	0.6	27



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127	Communication: Relativistic Fock-space coupled cluster study of small building blocks of larger uranium complexes. <i>Journal of Chemical Physics</i> , 2014, 141, 041107.	3.0	27
128	Linear interpolation method in ensemble Kohn-Sham and range-separated density-functional approximations for excited states. <i>Physical Review A</i> , 2015, 92, .	2.5	27
129	Acute physical exercise improves shifting in adolescents at school: evidence for a dopaminergic contribution. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 196.	2.0	26
130	Assessment of verbal memory by fMRI: Lateralization and functional neuroanatomy. <i>Clinical Neurology and Neurosurgery</i> , 2009, 111, 57-62.	1.4	25
131	Does language lateralization depend on the hippocampus?. <i>Brain</i> , 2004, 127, 1217-1218.	7.6	24
132	Atypical Hemispheric Dominance for Attention: Functional MRI Topography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 1197-1208.	4.3	24
133	Latency of Auditory Evoked Field Deflection N100m Ruled by Pitch or Spectrum?. <i>Audiology and Neuro-Otology</i> , 2001, 6, 263-278.	1.3	23
134	Electronic interaction between valence and dipole-bound states of the cyanoacetylene anion. <i>European Physical Journal D</i> , 2005, 35, 207-216.	1.3	23
135	L-dopa does not add to the success of high-intensity language training in aphasia. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 115-120.	0.7	23
136	Influence of afferent feedback on isometric fine force resolution in humans. <i>Experimental Brain Research</i> , 1997, 113, 207-213.	1.5	22
137	Learning of tactile frequency discrimination in humans. <i>Human Brain Mapping</i> , 2003, 18, 260-271.	3.6	22
138	Pattern and progression of white-matter changes in a case of posterior cortical atrophy using diffusion tensor imaging. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008, 80, 432-436.	1.9	22
139	An interpretation of the absorption and emission spectra of the gold dimer using modern theoretical tools. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8732.	2.8	22
140	Generalized Pauli constraints in small atoms. <i>Physical Review A</i> , 2018, 97, .	2.5	22
141	Synergetic Effects of Granulocyte-Colony Stimulating Factor and Cognitive Training on Spatial Learning and Survival of Newborn Hippocampal Neurons. <i>PLoS ONE</i> , 2009, 4, e5303.	2.5	21
142	Theoretical <sup>57</sup> Fe Mössbauer spectroscopy: isomer shifts of [Fe]-hydrogenase intermediates. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4853-4863.	2.8	21
143	The association between hand preference and language lateralization. , 2009, , 59-72.		20
144	Somatosensory evoked potentials (SEPs) elicited by magnetic nerve stimulation. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1993, 88, 459-467.	2.0	20

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145	Walking the talk—Speech activates the leg motor cortex. <i>Neuropsychologia</i> , 2008, 46, 2824-2830.	1.6	19
146	Dominance for language and spatial processing: limited capacity of a single hemisphere. <i>NeuroReport</i> , 2005, 16, 1017-1021.	1.2	18
147	Individual white matter fractional anisotropy analysis on patients with MRI negative partial epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 136-139.	1.9	18
148	Relativistic and Non-Relativistic Electronic Molecular Structure Calculations for Dimers of 4p, 5p, and 6p Block Elements. <i>ChemPhysChem</i> , 2012, 13, 3952-3957.	2.1	18
149	A Statistical Cerebroarterial Atlas Derived from 700 MRA Datasets. <i>Methods of Information in Medicine</i> , 2013, 52, 467-474.	1.2	17
150	Approximate Analytical Gradients and Nonadiabatic Couplings for the State-Average Density Matrix Renormalization Group Self-Consistent-Field Method. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 6724-6737.	5.3	17
151	Reproducibility of hemispheric blood flow increases during line bisectioning. <i>Clinical Neurophysiology</i> , 2002, 113, 917-924.	1.5	16
152	Cortical processing of esophageal sensation is related to the representation of swallowing. <i>NeuroReport</i> , 2005, 16, 439-443.	1.2	16
153	Ghost-interaction correction in ensemble density-functional theory for excited states with and without range separation. <i>Physical Review A</i> , 2016, 94, .	2.5	16
154	Lack of improvement in odor identification by levodopa in humans. <i>Physiology and Behavior</i> , 2008, 93, 1024-1029.	2.1	15
155	Combining linear interpolation with extrapolation methods in range-separated ensemble density functional theory. <i>Molecular Physics</i> , 2016, 114, 968-981.	1.7	15
156	Excited state characterization of carbonyl containing carotenoids: a comparison between single and multireference descriptions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17156-17166.	2.8	15
157	Multiconfigurational Effects in Theoretical Resonance Raman Spectra. <i>ChemPhysChem</i> , 2017, 18, 384-393.	2.1	15
158	Fracture of the odontoid process complicating tardive dystonia. <i>Movement Disorders</i> , 2004, 19, 983-985.	3.9	14
159	Structural Correlates of Functional Language Dominance: A Voxel-Based Morphometry Study. <i>Journal of Neuroimaging</i> , 2010, 20, 148-156.	2.0	14
160	Accurate calculations of the ground state and low-lying excited states of the (RbBa) <sup>+</sup> molecular ion: a proposed system for ultracold reactive collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 055101.	1.5	14
161	Nuclear size effects in rotational spectra: A tale with a twist. <i>Chemical Physics</i> , 2012, 401, 103-112.	1.9	14
162	Interhemispheric Dissociation of Language Regions in a Healthy Subject. <i>Archives of Neurology</i> , 2006, 63, 1344.	4.5	14

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163	Clinical applications of functional MRI at 1.0 T: motor and language studies in healthy subjects and patients. <i>European Radiology</i> , 1999, 9, 211-220.	4.5	13
164	Electric field gradients in Hg compounds: Molecular orbital (MO) analysis and comparison of 4-component and 2-component (ZORA) methods. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16070.	2.8	13
165	Immunohistology of temporal arteritis: phenotyping of infiltrating cells and deposits of complement components. <i>Journal of Neurology</i> , 1991, 238, 181-182.	3.6	12
166	Persistent unihemispheric perceptual impairments in humans following focal seizures. <i>Neuroscience Letters</i> , 1996, 217, 66-68.	2.1	12
167	Is hemispheric language dominance relevant in musical hallucinations?. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2002, 252, 299-302.	3.2	11
168	Ionization spectra and electronic decay in small iodide clusters: Fully relativistic results. <i>Journal of Chemical Physics</i> , 2006, 125, 034309.	3.0	11
169	Combining extrapolation with ghost interaction correction in range-separated ensemble density functional theory for excited states. <i>Journal of Chemical Physics</i> , 2017, 147, 204105.	3.0	11
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