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**Power failure: why small sample size undermines the reliability of neuroscience**

**DOI: 10.1038/nrn3475**

**Nature Reviews Neuroscience, 2013, 14, 365-76.**

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2209	Journal of Organizational Behavior.		891
2208	Registered Reports and Replications in Attention, Perception, & Psychophysics. <b>2013</b> , 75, 781-783		16
2207	Better living through transparency: improving the reproducibility of fMRI results through comprehensive methods reporting. <b>2013</b> , 13, 660-6		16
2206	Number of events and reliability in fMRI. <b>2013</b> , 13, 615-26		7
2205	Misuse of power: in defence of small-scale science. <i>Nature Reviews Neuroscience</i> , <b>2013</b> , 14, 585	13.5	20
2204	Experimental power comes from powerful theories - the real problem in null hypothesis testing. <i>Nature Reviews Neuroscience</i> , <b>2013</b> , 14, 585	13.5	11
2203	Small sample size is not the real problem. <i>Nature Reviews Neuroscience</i> , <b>2013</b> , 14, 585	13.5	27
2202	Confidence and precision increase with high statistical power. <i>Nature Reviews Neuroscience</i> , <b>2013</b> , 14, 585-6	13.5	56
2201	The neuroinflammation marker translocator protein is not elevated in individuals with mild-to-moderate depression: a [ <sup>11</sup> C]PBR28 PET study. <b>2013</b> , 33, 131-8		155
2200	Synaptic transmission and plasticity at inputs to murine cerebellar Purkinje cells are largely dispensable for standard nonmotor tasks. <b>2013</b> , 33, 12599-618		33
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2198	Assessing the validity and reproducibility of genome-scale predictions. <b>2013</b> , 29, 2844-51		8
2197	Ethics and Statistics: Is It Possible to Be an Ethicist Without Being Mean to People?. <b>2013</b> , 26, 52-55		2
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2195	ESC-BRAIN: experimental and clinical stroke research--do they connect?. Meeting report of the ESC-BRAIN joint symposium held in London and Shanghai in May 2013. <b>2013</b> , 36, 306-21		7
2194	Wetenschappelijk onderzoek in de huisartsenpraktijk. <b>2013</b> , 56, 449-449		
2193	Introduction to the special issue on reliability and replication in cognitive and affective neuroscience research. <b>2013</b> , 13, 687-9		37

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2185	Cellular prion protein as a therapeutic target in Alzheimer's disease. <b>2014</b> , 38, 227-44		41
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2183	A test is not a test. <i>Nature Reviews Neuroscience</i> , <b>2013</b> , 14, 877	13.5	3
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2096	Exploring the indirect effects of catechol-O-methyltransferase (COMT) genotype on psychotic experiences through cognitive function and anxiety disorders in a large birth cohort of children. <b>2014</b> , 165B, 410-20	1
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2091	Visual category learning. <b>2014</b> , 5, 75-94	29
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2027	Minimizing errors in acute traumatic spinal cord injury trials by acknowledging the heterogeneity of spinal cord anatomy and injury severity: an observational Canadian cohort analysis. <b>2014</b> , 31, 1540-7	50
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1355	In Reply to the Letter to the Editor "Cauda Equina Syndrome: The Importance of Including Small Studies in a Meta-Analysis". <b>2017</b> , 97, 731	
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1353	Common data elements and data management: Remedy to cure underpowered preclinical studies. <b>2017</b> , 129, 87-90	26
1352	The cave of shadows: Addressing the human factor with generalized additive mixed models. <b>2017</b> , 94, 206-234	88
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1349	Feature selection in clinical proteomics: with great power comes great reproducibility. <b>2017</b> , 22, 912-918	24
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1347	Reproducibility Issues: Avoiding Pitfalls in Animal Inflammation Models. <b>2017</b> , 1559, 1-17	15

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1345	CpG Methylation Signature Predicts Recurrence in Early-Stage Hepatocellular Carcinoma: Results From a Multicenter Study. <b>2017</b> , 35, 734-742	90
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1342	A systematic literature review of psychotherapeutic treatment of prolonged symptoms after mild traumatic brain injury. <b>2017</b> , 31, 279-289	24
1341	Finding the power to reduce publication bias. <b>2017</b> , 36, 1580-1598	33
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1336	The Opportunities and Limitations of Using Mechanical Turk (MTURK) in Public Administration and Management Scholarship. <b>2017</b> , 20, 489-511	81
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1329	Association between Modified Shuttle Walk Test and cardiorespiratory fitness in overweight/obese adults with primary hypertension: EXERDIET-HTA study. <b>2017</b> , 11, 186-195	2

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1326	The longitudinal association between external locus of control, social cognition and adolescent psychopathology. <b>2017</b> , 52, 643-655	27
1325	The potential of neuroimaging for identifying predictors of adolescent alcohol use initiation and misuse. <b>2017</b> , 112, 719-726	20
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1311	Brain imaging genetics in ADHD and beyond - Mapping pathways from gene to disorder at different levels of complexity. <b>2017</b> , 80, 115-155	58

1310	Effects of sex hormone treatment on white matter microstructure in individuals with gender dysphoria. <b>2017</b> , 150, 60-67	18
1309	Coordinate based random effect size meta-analysis of neuroimaging studies. <b>2017</b> , 153, 293-306	16
1308	Responses of plant phenology, growth, defense, and reproduction to interactive effects of warming and insect herbivory. <b>2017</b> , 98, 1817-1828	21
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1300	Increased risk of critical CBF levels in SAH patients with actual CPP below calculated optimal CPP. <b>2017</b> , 159, 1065-1071	14
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1268	Comorbidity prevalence and treatment outcome in children and adolescents with ADHD. <b>2017</b> , 26, 1443-1457	138
1267	Primary endpoint discrepancies were found in one in ten clinical drug trials. Results of an inception cohort study. <b>2017</b> , 89, 199-208	8
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1219	The effects of 2 weeks of interval vs continuous walking training on glycaemic control and whole-body oxidative stress in individuals with type 2 diabetes: a controlled, randomised, crossover trial. <b>2017</b> , 60, 508-517		30
1218	The search for neuroimaging and cognitive endophenotypes: A critical systematic review of studies involving unaffected first-degree relatives of individuals with bipolar disorder. <b>2017</b> , 73, 1-22		59
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1214	Scanning the horizon: towards transparent and reproducible neuroimaging research. <i>Nature Reviews Neuroscience</i> , <b>2017</b> , 18, 115-126	13.5	646
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1212	Combating the scientific decline effect with confidence (intervals). <b>2017</b> , 54, 139-145		13
1211	How to get statistically significant effects in any ERP experiment (and why you shouldn't). <b>2017</b> , 54, 146-157		524
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1205	Some Natural Solutions to the p-Value Communication Problem—and Why They Won't Work. <b>2017</b> , 112, 899-901		36
1204	The Experimental Design Assistant. <b>2017</b> , 14, 1024-1025		19
1203	'Whose atlas I use, his song I sing?' - The impact of anatomical atlases on fiber tract contributions to cognitive deficits after stroke. <b>2017</b> , 163, 301-309		17

1202	Time-dependent mood fluctuations in Antarctic personnel: a meta-analysis. <b>2017</b> , 53, 534-549	4
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1200	The effect of sleep restriction on empathy for pain: An fMRI study in younger and older adults. <b>2017</b> , 7, 12236	21
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1196	Specific reduction in cortisol stress reactivity after social but not attention-based mental training. <b>2017</b> , 3, e1700495	72
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1182	Suspiciously High Correlations in Brain Imaging Research. <b>2017</b> , 196-220	6
1181	Cell-Free DNA and DNase Activity in Dogs with Immune-Mediated Hemolytic Anemia. <b>2017</b> , 31, 1441-1450	16
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1170	Sample-Size Planning for More Accurate Statistical Power: A Method Adjusting Sample Effect Sizes for Publication Bias and Uncertainty. <b>2017</b> , 28, 1547-1562	151
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1161	Parental psychopathology and offspring attention-deficit/hyperactivity disorder in a nationwide sample. <b>2017</b> , 94, 124-130	25
1160	No evidential value in samples of transcranial direct current stimulation (tDCS) studies of cognition and working memory in healthy populations. <b>2017</b> , 94, 131-141	81
1159	What big data can do for treatment in psychiatry. <b>2017</b> , 18, 34-42	62
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936	The effects of cognitive behavioral therapy on resting-state functional brain network in drug-naive patients with obsessive-compulsive disorder. <b>2018</b> , 8, e00963	15
935	Assessing the Effects of a Relational Training Intervention on Fluid Intelligence Among a Sample of Socially Disadvantaged Children in Bangladesh. <b>2018</b> , 68, 141-149	6
934	Mindfulness Dampens Cardiac Responses to Motion Scenes of Violence. <b>2018</b> , 9, 575-584	5
933	Potential Reporting Bias in Neuroimaging Studies of Sex Differences. <b>2018</b> , 8, 6082	88



932	Roadblocks to driving cognitive gains through transcranial electrical stimulation. <b>2018</b> , 199, 44-45	1
931	Acute and mid-term (six-week) effects of an ankle-foot-orthosis on biomechanical parameters, clinical outcomes and physical activity in knee osteoarthritis patients with varus malalignment. <b>2018</b> , 62, 297-302	6
930	Statistical power comparisons at 3T and 7T with a GO / NOGO task. <b>2018</b> , 175, 100-110	13
929	Alcohol hangover impacts learning and reward processing within the medial-frontal cortex. <b>2018</b> , 55, e13081	10
928	Snack food as a modulator of human resting-state functional connectivity. <b>2018</b> , 23, 321-332	1
927	An ANOVA approach for statistical comparisons of brain networks. <b>2018</b> , 8, 4746	9
926	To go or not to go? Pupillometry elucidates inhibitory mechanisms in motor imagery. <b>2018</b> , 30, 466-483	9
925	Assessment of physical activity intensity and duration in the paediatric population: evidence to support an a priori hypothesis and sample size in the agreement between subjective and objective methods. <b>2018</b> , 19, 810-824	12
924	Quantifying Inhibitory Control as Externalizing Proneness: A Cross-Domain Model. <b>2018</b> , 6, 561-580	55
923	Neuroimmune Biomarkers in Mental Illness. <b>2018</b> , 40, 45-78	21
922	Regional grey matter volume correlates of gambling disorder, gambling-related cognitive distortions, and emotion-driven impulsivity. <b>2018</b> , 18, 195-216	14
921	The Reliability of Sensor-Assisted Soft Tissue Measurements in Primary Total Knee Arthroplasty. <b>2018</b> , 33, 2502-2505.e12	8
920	Four simple ways to increase power without increasing the sample size. <b>2018</b> , 52, 621-629	20
919	Rethinking the Three R's in Animal Research. <b>2018</b> ,	2
918	A Connectome-wide Functional Signature of Transdiagnostic Risk for Mental Illness. <b>2018</b> , 84, 452-459	65
917	Associations between serum vitamin D and the risk of female reproductive tumors: A meta-analysis with trial sequential analysis. <b>2018</b> , 97, e0360	5
916	Anterior insula hyperactivation in ADHD when faced with distracting negative stimuli. <b>2018</b> , 39, 2972-2986	14
915	The Effect of Physical Activity Interventions on Glycosylated Haemoglobin (HbA) in Non-diabetic Populations: A Systematic Review and Meta-analysis. <b>2018</b> , 48, 1151-1164	10

914	Resting-state thalamic dysconnectivity in schizophrenia and relationships with symptoms. <b>2018</b> , 48, 2492-2499	42
913	Methodological and reporting quality in laboratory studies of human eating behavior. <b>2018</b> , 125, 486-491	32
912	Reward motivation in humans and its relationship to dopamine D receptor availability: A pilot study with dual [C]-raclopride and [C]-(+)-PHNO imaging. <b>2018</b> , 32, 357-366	10
911	Systematic review of the neurocognitive outcomes used in studies of paediatric anaesthesia neurotoxicity. <b>2018</b> , 120, 1255-1273	36
910	Regulatory-accepted drug development tools are needed to accelerate innovative CNS disease treatments. <b>2018</b> , 151, 291-306	20
909	How (not) to measure infant Theory of Mind: Testing the replicability and validity of four non-verbal measures. <b>2018</b> , 46, 12-30	58
908	Altered Primary Motor Cortex Structure, Organization, and Function in Chronic Pain: A Systematic Review and Meta-Analysis. <b>2018</b> , 19, 341-359	31
907	Cultural effects on computational metrics of spatial and temporal context. <b>2018</b> , 8, 2027	3
906	Emotional Processing in Obsessive-Compulsive Disorder: A Systematic Review and Meta-analysis of 25 Functional Neuroimaging Studies. <b>2018</b> , 3, 563-571	53
905	Improving the Replicability of Psychological Science Through Pedagogy. <b>2018</b> , 1, 7-18	16
904	It takes two: A replication. <b>2018</b> , 72, 58-63	3
903	Neuroanatomical morphometric characterization of sex differences in youth using statistical learning. <b>2018</b> , 172, 217-227	68
902	Welcome to the jungle! The neuromarketing literature through the eyes of a newcomer. <b>2018</b> , 52, 4-38	37
901	When neuroscience met clinical pathology: partitioning experimental variation to aid data interpretation in neuroscience. <b>2018</b> , 47, 371-379	2
900	Advances in Behavioral Psychopharmacology. <b>2018</b> , 48, 457-471	15
899	Glycogen synthase kinase-3 $\beta$ activity and cognitive functioning in patients with bipolar I disorder. <b>2018</b> , 28, 361-368	4
898	Consequences of relying on statistical significance: Some illustrations. <b>2018</b> , 48, e12912	16
897	Power, Dominance, and Constraint: A Note on the Appeal of Different Design Traditions. <b>2018</b> , 1, 19-26	28

896	Diminished Cortical Thickness Is Associated with Impulsive Choice in Adolescence. <b>2018</b> , 38, 2471-2481	26
895	Early Detection of Apathetic Phenotypes in Huntington's Disease Knock-in Mice Using Open Source Tools. <b>2018</b> , 8, 2304	4
894	Clinical Metabolomics. <b>2018</b> ,	2
893	Sex-differentiated effects of physical attractiveness on romantic desire: a highly powered, preregistered study in a photograph evaluation context. <b>2018</b> , 3, 1-27	8
892	A case for methodological overhaul and increased study of executive function in the domestic dog ( <i>Canis lupus familiaris</i> ). <b>2018</b> , 21, 175-195	6
891	Psychological and neurological predictors of abusive supervision. <b>2018</b> , 71, 399-421	15
890	A Pilot Study Evaluating the Efficacy and Safety of ARTISS Human Fibrin Sealant in External Rhinoplasty. <b>2018</b> , 42, 590-597	1
889	Direct replications of Ottati et al. (2015): The earned dogmatism effect occurs only with some manipulations of expertise. <b>2018</b> , 78, 240-249	4
888	Finding our way in human genetic research on neuropathic pain. <b>2018</b> , 159, 809-810	1
887	Is There an Optimum Duration of Fluid Bolus in Pediatric Septic Shock? A Critical Appraisal of "Fluid Bolus Over 15-20 Versus 5-10 Minutes Each in the First Hour of Resuscitation in Children With Septic Shock: A Randomized Controlled Trial" by Sankar et al ( <i>Pediatr Crit Care Med</i> 2017; 18:e435-e445). <b>2018</b> , 19, 369-371	5
886	Effects of MiR-137 genetic risk score on brain volume and cortical measures in patients with schizophrenia and controls. <b>2018</b> , 177, 369-376	6
885	Cooperation makes two less-creative individuals turn into a highly-creative pair. <b>2018</b> , 172, 527-537	55
884	Projection-Based Clustering through Self-Organization and Swarm Intelligence. <b>2018</b> ,	26
883	Duration of Fluid Boluses in Septic Shock: Fragile Results and Unanswered Questions. <b>2018</b> , 19, 85	1
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881	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. <b>2018</b> , 141, 391-408	187
880	The authors reply. <b>2018</b> , 19, 85-86	
879	Minimally invasive transpedicular approach for the treatment of central calcified thoracic disc disease: a technical note. <b>2018</b> , 27, 1575-1585	4

878	Efficacy of computer-based cognitive training in neuropsychological performance of patients with multiple sclerosis: A systematic review and meta-analysis. <b>2018</b> , 20, 58-66	26
877	Neurofeedback with fMRI: A critical systematic review. <b>2018</b> , 172, 786-807	136
876	Striatal abnormalities in trichotillomania: a multi-site MRI analysis. <b>2018</b> , 17, 893-898	21
875	[Cognitive neuroscience of aging. Contributions and challenges]. <b>2018</b> , 53, 100-104	1
874	Serotonin transporter gene expression predicts the worsening of suicidal ideation and suicide attempts along a long-term follow-up of a Major Depressive Episode. <b>2018</b> , 28, 401-414	12
873	Systematic review of low-level laser therapy for adult androgenic alopecia. <b>2018</b> , 20, 229-236	13
872	Test-retest reliability of transcranial magnetic stimulation EEG evoked potentials. <b>2018</b> , 11, 536-544	48
871	Reduced insulin sensitivity may be related to less striatal glutamate: An H-MRS study in healthy non-obese humans. <b>2018</b> , 28, 285-296	3
870	Outcome predictors in elderly head and neck free flap reconstruction: A retrospective study and systematic review of the current evidence. <b>2018</b> , 71, 719-728	28
869	Effect of snack-food proximity on intake in general population samples with higher and lower cognitive resource. <b>2018</b> , 121, 337-347	25
868	How many trials does it take to get a significant ERP effect? It depends. <b>2018</b> , 55, e13049	83
867	Neurogenetic Approaches to Stress and Fear in Humans as Pathophysiological Mechanisms for Posttraumatic Stress Disorder. <b>2018</b> , 83, 810-820	15
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865	Data quality over data quantity in computational cognitive neuroscience. <b>2018</b> , 172, 775-785	24
864	Analysis of DNA Methylation in Young People: Limited Evidence for an Association Between Victimization Stress and Epigenetic Variation in Blood. <b>2018</b> , 175, 517-529	83
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862	Psychiatric Symptom Dimensions Are Associated With Dissociable Shifts in Metacognition but Not Task Performance. <b>2018</b> , 84, 443-451	91
861	Amygdala response to emotional faces in seasonal affective disorder. <b>2018</b> , 229, 288-295	3

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859	Single-case experimental designs to assess intervention effectiveness in rehabilitation: A practical guide. <b>2018</b> , 61, 164-179	74
858	Studying and modifying brain function with non-invasive brain stimulation. <b>2018</b> , 21, 174-187	339
857	Utilizing Education and Perspective Taking to Remediate the Stigma of Taking Antidepressants. <b>2018</b> , 54, 450-459	7
856	Genomic dissection and prediction of feed intake and residual feed intake traits using a longitudinal model in F2 chickens. <b>2018</b> , 12, 1792-1798	2
855	On determining sample size in experiments involving laboratory animals. <b>2018</b> , 52, 341-350	43
854	Molecular and functional PET-fMRI measures of placebo analgesia in episodic migraine: Preliminary findings. <b>2018</b> , 17, 680-690	12
853	A Genome-Wide Association Study Identifies a Candidate Gene Associated With Atazanavir Exposure Measured in Hair. <b>2018</b> , 104, 949-956	1
852	Meta-analysis on the association between genetic polymorphisms and prepulse inhibition of the acoustic startle response. <b>2018</b> , 198, 52-59	18
851	Psychology, Science, and Knowledge Construction: Broadening Perspectives from the Replication Crisis. <b>2018</b> , 69, 487-510	236
850	The neural correlates of visual imagery: A co-ordinate-based meta-analysis. <b>2018</b> , 105, 4-25	51
849	Decoding intentions of self and others from fMRI activity patterns. <b>2018</b> , 172, 278-290	6
848	Prediction of Tissue Outcome and Assessment of Treatment Effect in Acute Ischemic Stroke Using Deep Learning. <b>2018</b> , 49, 1394-1401	92
847	Revisiting a Criminological Classic: The Cycle of Violence. <b>2018</b> , 34, 266-286	7
846	Neuroimaging Neuroinformatics: Sample Size and Other Evolutionary Topics. <b>2018</b> , 16, 149-150	2
845	Women's participation in environmental decision-making: Quasi-experimental evidence from northern Kenya. <b>2018</b> , 108, 115-130	16
844	Cannabidiol reverses attentional bias to cigarette cues in a human experimental model of tobacco withdrawal. <b>2018</b> , 113, 1696	56
843	Ethical implications of excessive cluster sizes in cluster randomised trials. <b>2018</b> , 27, 664-670	4

842	Development of Posterior Medial Frontal Cortex Function in Pediatric Obsessive-Compulsive Disorder. <b>2018</b> , 57, 397-406	9
841	Complication Rates and Maintenance of Correction After 3-Column Osteotomy in the Elderly: Report of 55 Patients With 2-Year Follow-up. <b>2018</b> , 83, 973-980	2
840	Reproducible and replicable pain research: a critical review. <b>2018</b> , 159, 1683-1689	51
839	A framework for big data analytics approach to failure prediction of construction firms. <b>2018</b> , 16, 207-222	5
838	Mean annual precipitation predicts primary production resistance and resilience to extreme drought. <b>2018</b> , 636, 360-366	61
837	Three-dimensional CT enterography versus barium follow-through examination in measurement of remnant small intestinal length in short bowel syndrome patients. <b>2018</b> , 43, 2955-2962	5
836	(Re)sourcing the Character and Resilience Manifesto: Suppressions and Slippages of (Re)presentation and Selective Affectivities. <b>2018</b> , 23, 416-437	23
835	Influence of class IV laser therapy on the outcomes of tibial plateau leveling osteotomy in dogs. <b>2018</b> , 47, 507-515	7
834	Longitudinal development of hippocampal subregions from childhood to adulthood. <b>2018</b> , 30, 212-222	44
833	Pain Neuroimaging in Humans: A Primer for Beginners and Non-Imagers. <b>2018</b> , 19, 961.e1-961.e21	21
832	Dissociating frontoparietal brain networks with neuroadaptive Bayesian optimization. <b>2018</b> , 9, 1227	23
831	Advances, challenges, and promises in pediatric neuroimaging of neurodevelopmental disorders. <b>2018</b> , 90, 50-69	11
830	State or trait? Auditory event-related potentials in adolescents with current and remitted major depression. <b>2018</b> , 113, 95-103	6
829	Brain-Heart Pathways to Blood Pressure-Related Hypoalgesia. <b>2018</b> , 80, 845-852	4
828	Improved estimation of subject-level functional connectivity using full and partial correlation with empirical Bayes shrinkage. <b>2018</b> , 172, 478-491	17
827	Global negative effects of nitrogen deposition on soil microbes. <b>2018</b> , 12, 1817-1825	213
826	Evaluating whether stories can promote social cognition: Introducing the Social Processes and Content Entrained by Narrative (SPaCEN) framework. <b>2018</b> , 55, 454-479	28
825	The impact of sample size on the reproducibility of voxel-based lesion-deficit mappings. <b>2018</b> , 115, 101-111	49

824	Functional Specificity and Sex Differences in the Neural Circuits Supporting the Inhibition of Automatic Imitation. <b>2018</b> , 30, 914-933	15
823	Feedforward motor control in developmental dyslexia and developmental coordination disorder: Does comorbidity matter?. <b>2018</b> , 76, 25-34	10
822	The Judgment Bias Task: A flexible method for assessing individual differences in social judgment biases. <b>2018</b> , 76, 337-355	8
821	Visual mismatch response and fMRI signal adaptation correlate in the occipital-temporal cortex. <b>2018</b> , 347, 77-87	2
820	Opinion: Is science really facing a reproducibility crisis, and do we need it to?. <b>2018</b> , 115, 2628-2631	159
819	The Safety of Autonomous Vehicles: Lessons from Philosophy of Science. <b>2018</b> , 37, 62-69	16
818	Executive abilities in children with congenital visual impairment in mid-childhood. <b>2018</b> , 24, 184-202	10
817	Training and transfer effects of response inhibition training in children and adults. <b>2018</b> , 21, e12511	37
816	The neuroscience of persuasion: A review with an emphasis on issues and opportunities. <b>2018</b> , 13, 129-172	28
815	Stress, coping, executive function, and brain activation in adolescent offspring of depressed and nondepressed mothers. <b>2018</b> , 24, 638-656	15
814	Four reasons to prefer Bayesian analyses over significance testing. <b>2018</b> , 25, 207-218	157
813	An empirical review of antimalarial quality field surveys: the importance of characterising outcomes. <b>2018</b> , 147, 612-623	6
812	Active physiotherapy interventions following total knee arthroplasty in the hospital and inpatient rehabilitation settings: a systematic review and meta-analysis. <b>2018</b> , 104, 25-35	37
811	Severity of alcohol dependence is associated with the fatty acid amide hydrolase Pro129Thr missense variant. <b>2018</b> , 23, 474-484	30
810	Study Design Rigor in Animal-Experimental Research Published in Anesthesia Journals. <b>2018</b> , 126, 217-222	6
809	Bayes factor design analysis: Planning for compelling evidence. <b>2018</b> , 25, 128-142	195
808	The procedural learning deficit hypothesis of language learning disorders: we see some problems. <b>2018</b> , 21, e12552	65
807	Epistemology of causal inference in pharmacology. <b>2018</b> , 8, 3-49	30

806	It's in the eye of the beholder: selective attention to drink properties during tasting influences brain activation in gustatory and reward regions. <b>2018</b> , 12, 425-436	8
805	Collaborative meta-analysis finds no evidence of a strong interaction between stress and 5-HTTLPR genotype contributing to the development of depression. <b>2018</b> , 23, 133-142	188
804	GREB1 genetic variants are associated with bone mineral density in Caucasians. <b>2018</b> , 36, 189-199	8
803	Differential susceptibility effects of oxytocin gene (OXT) polymorphisms and perceived parenting on social anxiety among adolescents. <b>2018</b> , 30, 449-459	10
802	The role of organizational context in the implementation of a statewide initiative to integrate mental health services into pediatric primary care. <b>2018</b> , 43, 206-217	12
801	Does Leadership Development Need to Care About Neuro-Ethics?. <b>2018</b> , 17, 96-109	7
800	Effects of resistance training on performance in previously trained endurance runners: A systematic review. <b>2018</b> , 36, 613-629	8
799	Cognitive training as a potential treatment for overweight and obesity: A critical review of the evidence. <b>2018</b> , 124, 50-67	103
798	The Effect of Insomnia on Neuropsychological Functioning in Patients with Comorbid Symptoms of Pain, Fatigue, and Mood Disorders. <b>2018</b> , 33, 14-23	10
797	Effects of Serotonin Transporter Gene Variation on Impulsivity Mediated by Default Mode Network: A Family Study of Depression. <b>2018</b> , 28, 1911-1921	13
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795	Issues of aquatic experimentation in research on marine finfish larval production in Europe and North America. <b>2018</b> , 10, 852-875	1
794	Increased Global Interaction Across Functional Brain Modules During Cognitive Emotion Regulation. <b>2018</b> , 28, 3082-3094	6
793	The reliability paradox: Why robust cognitive tasks do not produce reliable individual differences. <b>2018</b> , 50, 1166-1186	456
792	Connecting brain responsivity and real-world risk taking: Strengths and limitations of current methodological approaches. <b>2018</b> , 33, 27-41	26
791	Research Review: Cognitive bias modification of interpretations in youth and its effect on anxiety: a meta-analysis. <b>2018</b> , 59, 831-844	34
790	Hormonal Contraceptives Do Not Impact Economic Preferences: Evidence from a Randomized Trial. <b>2018</b> , 64, 4515-4532	7
789	Functional MRI Study to Examine Possible Emotional Connectedness in Identical Twins: A Case Study. <b>2018</b> , 14, 86-91	1



788	A hitchhiker's guide to lesion-behaviour mapping. <b>2018</b> , 115, 5-16	58
787	Electroencephalography and magnetoencephalography in pain research-current state and future perspectives. <b>2018</b> , 159, 206-211	27
786	Do sport-related concussions result in long-term cognitive impairment? A review of event-related potential research. <b>2018</b> , 132, 124-134	13
785	Making replication mainstream. <b>2017</b> , 41, e120	165
784	Identification and Perceived Intensity of Facial Expressions of Emotion in Bipolar Disorder and Major Depression. <b>2018</b> , 33, 491-501	11
783	Are published techniques for increasing service-gratuities/tips effective? P-curving and R-indexing the evidence. <b>2018</b> , 69, 65-74	10
782	Midfrontal theta and pupil dilation parametrically track subjective conflict (but also surprise) during intertemporal choice. <b>2018</b> , 172, 838-852	23
781	How robust are anticipatory looking measures of Theory of Mind? Replication attempts across the life span. <b>2018</b> , 46, 97-111	49
780	Training in a comprehensive everyday-like virtual reality environment compared to computerized cognitive training for patients with depression. <b>2018</b> , 79, 40-52	30
779	Cognitive-behavioral approaches for children with autism spectrum disorder: A trend analysis. <b>2018</b> , 45, 27-41	12
778	Adolescent temperament dimensions as stable prospective risk and protective factors for salivary C-reactive protein. <b>2018</b> , 23, 186-207	9
777	Personal Conflict Impairs Performance on an Unrelated Self-Control Task: Lingering Costs of Uncertainty and Conflict. <b>2018</b> , 74, 157-160	14
776	Longitudinal study of a NoGo-P3 event-related potential component following mild traumatic brain injury in adults. <b>2018</b> , 61, 18-26	7
775	Mind the Hype: A Critical Evaluation and Prescriptive Agenda for Research on Mindfulness and Meditation. <b>2018</b> , 13, 36-61	573
774	Reproducibility of R-fMRI metrics on the impact of different strategies for multiple comparison correction and sample sizes. <b>2018</b> , 39, 300-318	153
773	Effectiveness of Internet-based interventions in managing chemotherapy-related symptoms in patients with cancer: a systematic literature review. <b>2018</b> , 26, 361-374	25
772	Remove, rather than redefine, statistical significance. <b>2018</b> , 2, 4	71
771	Logical and Methodological Issues Affecting Genetic Studies of Humans Reported in Top Neuroscience Journals. <b>2018</b> , 30, 25-41	11

770	Plasma amino acid profile in major depressive disorder: Analyses in two independent case-control sample sets. <b>2018</b> , 96, 23-32	30
769	Gift Exchange in the Workplace: Addressing the Conflicting Evidence with a Careful Test. <b>2018</b> , 64, 4365-4388	22
768	Characteristics and trends of clinical trials funded by the National Institutes of Health between 2005 and 2015. <b>2018</b> , 15, 65-74	21
767	Structural Neuroimaging of Anorexia Nervosa: Future Directions in the Quest for Mechanisms Underlying Dynamic Alterations. <b>2018</b> , 83, 224-234	72
766	Age-Related Repetitive Transcranial Magnetic Stimulation Effects on Executive Function in Depression: A Systematic Review. <b>2018</b> , 26, 334-346	21
765	Common and dissociable regional cerebral blood flow differences associate with dimensions of psychopathology across categorical diagnoses. <b>2018</b> , 23, 1981-1989	46
764	Statistical Power in Plant Pathology Research. <b>2018</b> , 108, 15-22	8
763	Preliminary evaluation of a human laboratory model of impaired control over alcohol using intravenous alcohol self-administration. <b>2018</b> , 32, 105-115	5
762	Acute alerting effects of light: A systematic literature review. <b>2018</b> , 337, 228-239	132
761	A common variant in ARHGEF10 alters delta-6 desaturase activity and influence susceptibility to hypertriglyceridemia. <b>2018</b> , 12, 311-320.e3	8
760	How Can Leaders Overcome the Blurry Vision Bias? Identifying an Antidote to the Paradox of Vision Communication. <b>2018</b> , 61, 2106-2129	20
759	Respiratory regulation by steroids in newborn rats: a sex-specific balance between allopregnanolone and progesterone receptors. <b>2018</b> , 103, 276-290	14
758	Emotion Self-Regulation Moderates the Association Between Symptoms of ADHD and Weight Loss After Bariatric Surgery. <b>2018</b> , 28, 1553-1561	7
757	Structural brain development: A review of methodological approaches and best practices. <b>2018</b> , 33, 129-148	61
756	Preliminary evidence that digit length ratio (2D:4D) predicts neural response to delivery of motivational stimuli. <b>2018</b> , 132, 91-95	2
755	The predictive value of positive affect and Type D personality for adverse cardiovascular clinical outcomes in patients with non-obstructive coronary artery disease. <b>2018</b> , 104, 108-114	8
754	Neurogenomics - towards a more rigorous science. <b>2018</b> , 47, 109-114	4
753	Evidence for spatiotemporally distinct effects of image repetition and perceptual expectations as measured by event-related potentials. <b>2018</b> , 169, 94-105	14

752	The effect of intranasal oxytocin on neural response to facial emotions in healthy adults as measured by functional MRI: A systematic review. <b>2018</b> , 272, 17-29	19
751	How often should we expect to be wrong? Statistical power, P values, and the expected prevalence of false discoveries. <b>2018</b> , 151, 226-233	13
750	Structural network differences in chronic musculoskeletal pain: Beyond fractional anisotropy. <b>2018</b> , 182, 441-455	14
749	Cortical Abnormalities Associated With Pediatric and Adult Obsessive-Compulsive Disorder: Findings From the ENIGMA Obsessive-Compulsive Disorder Working Group. <b>2018</b> , 175, 453-462	117
748	Prenatal urinary polycyclic aromatic hydrocarbon metabolites, global DNA methylation in cord blood, and birth outcomes: A cohort study in China. <b>2018</b> , 234, 396-405	29
747	Diagnostic accuracy of early magnetic resonance imaging to determine motor outcomes in infants born preterm: a systematic review and meta-analysis. <b>2018</b> , 60, 134-146	12
746	Bayesian Empirical Likelihood Estimation for Kink Regression with Unknown Threshold. <b>2018</b> , 752-766	
745	Examining reproducibility in psychology: A hybrid method for combining a statistically significant original study and a replication. <b>2018</b> , 50, 1515-1539	6
744	Resting regional brain metabolism in social anxiety disorder and the effect of moclobemide therapy. <b>2018</b> , 33, 569-581	2
743	Mortality of hospitalised internal medicine patients bedspaced to non-internal medicine inpatient units: retrospective cohort study. <b>2018</b> , 27, 11-20	13
742	Attention Training in Autism as a Potential Approach to Improving Academic Performance: A School-Based Pilot Study. <b>2018</b> , 48, 592-610	22
741	Aberrant Time-Varying Cross-Network Interactions in Children With Attention-Deficit/Hyperactivity Disorder and the Relation to Attention Deficits. <b>2018</b> , 3, 263-273	24
740	Cortical and Subcortical Brain Morphometry Differences Between Patients With Autism Spectrum Disorder and Healthy Individuals Across the Lifespan: Results From the ENIGMA ASD Working Group. <b>2018</b> , 175, 359-369	188
739	Meningioma recurrence rates following treatment: a systematic analysis. <b>2018</b> , 136, 351-361	21
738	The role of fMRI in drug development. <b>2018</b> , 23, 333-348	35
737	Facial affect processing in incarcerated violent males: A systematic review. <b>2018</b> , 38, 123-138	17
736	A critical review of developmental exposure to particulate matter, autism spectrum disorder, and attention deficit hyperactivity disorder. <b>2018</b> , 53, 174-204	15
735	Prospective Validation That Subgenual Connectivity Predicts Antidepressant Efficacy of Transcranial Magnetic Stimulation Sites. <b>2018</b> , 84, 28-37	182

734	Personality modulates amygdala and insula connectivity during humor appreciation: An event-related fMRI study. <b>2018</b> , 13, 756-768	5
733	Characteristics of Healthy Older Adults that Influence Self-rated Cognitive Function. <b>2018</b> , 24, 57-66	10
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