## Oliver Gruber

## List of Publications by Year in descending order

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133 papers 11,240 citations

44069 48 h-index 97 g-index

148 all docs 148
docs citations

148 times ranked 15031 citing authors

#	Article	IF	CITATIONS
1	In vivo hippocampal subfield volumes in bipolar disorder—A megaâ€analysis from The Enhancing Neuro Imaging Genetics through <scp>Metaâ€Analysis</scp> Bipolar Disorder Working Group. Human Brain Mapping, 2022, 43, 385-398.	3.6	41
2	Intelligence, educational attainment, and brain structure in those at familial highâ€risk for schizophrenia or bipolar disorder. Human Brain Mapping, 2022, 43, 414-430.	3.6	14
3	Greater male than female variability in regional brain structure across the lifespan. Human Brain Mapping, 2022, 43, 470-499.	3.6	76
4	What we learn about bipolar disorder from largeâ€scale neuroimaging: Findings and future directions from the <scp>ENIGMA</scp> Bipolar Disorder Working Group. Human Brain Mapping, 2022, 43, 56-82.	3.6	67
5	Reproducibility in the absence of selective reporting: AnÂillustration from largeâ€scale brain asymmetry research. Human Brain Mapping, 2022, 43, 244-254.	3.6	16
6	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3–90 years. Human Brain Mapping, 2022, 43, 431-451.	3.6	143
7	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3–90 years. Human Brain Mapping, 2022, 43, 452-469.	3.6	72
8	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biological Psychiatry, 2022, 92, 299-313.	1.3	11
9	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. Molecular Psychiatry, 2021, 26, 5124-5139.	7.9	136
10	Intrinsic Connectivity Patterns of Task-Defined Brain Networks Allow Individual Prediction of Cognitive Symptom Dimension of Schizophrenia and Are Linked to Molecular Architecture. Biological Psychiatry, 2021, 89, 308-319.	1.3	42
11	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. JAMA Psychiatry, 2021, 78, 47.	11.0	136
12	Neurobiological substrates of the positive formal thought disorder in schizophrenia revealed by seed connectome-based predictive modeling. Neurolmage: Clinical, 2021, 30, 102666.	2.7	13
13	Interaction of FKBP5 variant rs3800373 and city living alters the neural stress response in the anterior cingulate cortex. Stress, 2021, 24, 1-9.	1.8	4
14	Dopamine multilocus genetic profiles predict sex differences in reactivity of the human reward system. Brain Structure and Function, 2021, 226, 1099-1114.	2.3	7
15	Functional parcellation of human and macaque striatum reveals human-specific connectivity in the dorsal caudate. Neurolmage, 2021, 235, 118006.	4.2	29
16	The German research consortium for the study of bipolar disorder (BipoLife): a magnetic resonance imaging study protocol. International Journal of Bipolar Disorders, 2021, 9, 37.	2.2	5
17	Neurobiological Divergence of the Positive and Negative Schizophrenia Subtypes Identified on a New Factor Structure of Psychopathology Using Non-negative Factorization: An International Machine Learning Study. Biological Psychiatry, 2020, 87, 282-293.	1.3	68
18	An overlapping pattern of cerebral cortical thinning is associated with both positive symptoms and aggression in schizophrenia via the ENIGMA consortium. Psychological Medicine, 2020, 50, 2034-2045.	4.5	18

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19	Towards Precision Medicine in Psychosis: Benefits and Challenges of Multimodal Multicenter Studies—PSYSCAN: Translating Neuroimaging Findings From Research into Clinical Practice. Schizophrenia Bulletin, 2020, 46, 432-441.	4.3	56
20	Cortical activation abnormalities in bipolar and schizophrenia patients in a combined oddball–incongruence paradigm. European Archives of Psychiatry and Clinical Neuroscience, 2020, 271, 1487-1499.	3.2	3
21	Brain structural correlates of insomnia severity in 1053 individuals with major depressive disorder: results from the ENIGMA MDD Working Group. Translational Psychiatry, 2020, 10, 425.	4.8	31
22	ENIGMA MDD: seven years of global neuroimaging studies of major depression through worldwide data sharing. Translational Psychiatry, 2020, 10, 172.	4.8	121
23	A high-resolution fMRI approach to characterize functionally distinct neural pathways within dopaminergic midbrain and nucleus accumbens during reward and salience processing. European Neuropsychopharmacology, 2020, 36, 137-150.	0.7	13
24	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
25	Neuroharmony: A new tool for harmonizing volumetric MRI data from unseen scanners. Neurolmage, 2020, 220, 117127.	4.2	48
26	No Alterations of Brain Structural Asymmetry in Major Depressive Disorder: An ENIGMA Consortium Analysis. American Journal of Psychiatry, 2019, 176, 1039-1049.	7.2	39
27	Brainâ€based ranking of cognitive domains to predict schizophrenia. Human Brain Mapping, 2019, 40, 4487-4507.	3.6	25
28	Resilience to adversity is associated with increased activity and connectivity in the VTA and hippocampus. Neurolmage: Clinical, 2019, 23, 101920.	2.7	22
29	The Association Between Familial Risk and Brain Abnormalities Is Disease Specific: An ENIGMA-Relatives Study of Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2019, 86, 545-556.	1.3	67
30	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
31	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. Biological Psychiatry, 2019, 85, e35-e39.	1.3	5
32	Reactivity of the Reward System in Artists During Acceptance and Rejection of Monetary Rewards. Creativity Research Journal, 2018, 30, 172-178.	2.6	0
33	Influence of ventral tegmental area input on corticoâ€subcortical networks underlying action control and decision making. Human Brain Mapping, 2018, 39, 1004-1014.	3.6	8
34	Different shades of default mode disturbance in schizophrenia: Subnodal covariance estimation in structure and function. Human Brain Mapping, 2018, 39, 644-661.	3.6	38
35	Patterns of schizophrenia symptoms: hidden structure in the PANSS questionnaire. Translational Psychiatry, 2018, 8, 237.	4.8	14
36	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. Biological Psychiatry, 2018, 84, 644-654.	1.3	627

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37	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5154-E5163.	7.1	299
38	Analysis of the Influence of microRNAs in Lithium Response in Bipolar Disorder. Frontiers in Psychiatry, 2018, 9, 207.	2.6	28
39	Differential Resting-State Connectivity Patterns of the Right Anterior and Posterior Dorsolateral Prefrontal Cortices (DLPFC) in Schizophrenia. Frontiers in Psychiatry, 2018, 9, 211.	2.6	12
40	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
41	Effects of city living on the mesolimbic reward system—An fmri study. Human Brain Mapping, 2017, 38, 3444-3453.	3.6	14
42	Disruptions in the left frontoparietal network underlie resting state endophenotypic markers in schizophrenia. Human Brain Mapping, 2017, 38, 1741-1750.	3.6	40
43	On the integrity of functional brain networks in schizophrenia, Parkinson's disease, and advanced age: Evidence from connectivityâ€based singleâ€subject classification. Human Brain Mapping, 2017, 38, 5845-5858.	3.6	35
44	Intranasal Oxytocin Selectively Modulates Large-Scale Brain Networks in Humans. Brain Connectivity, 2017, 7, 454-463.	1.7	31
45	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. Brain Imaging and Behavior, 2017, 11, 1497-1514.	2.1	144
46	Imbalance in subregional connectivity of the right temporoparietal junction in major depression. Human Brain Mapping, 2016, 37, 2931-2942.	3.6	16
47	Investigating the Impact of a Genome-Wide Supported Bipolar Risk Variant of MAD1L1 on the Human Reward System. Neuropsychopharmacology, 2016, 41, 2679-2687.	5.4	22
48	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
49	Aims and structure of the German Research Consortium BipoLife for the study of bipolar disorder. International Journal of Bipolar Disorders, 2016, 4, 26.	2.2	29
50	Genetic variants associated with response to lithium treatment in bipolar disorder: a genome-wide association study. Lancet, The, 2016, 387, 1085-1093.	13.7	306
51	<i>CREB1</i> Genotype Modulates Adaptive Reward-Based Decisions in Humans. Cerebral Cortex, 2016, 26, 2970-2981.	2.9	12
52	Gender Differences in Verbal and Visuospatial Working Memory Performance and Networks. Neuropsychobiology, 2016, 73, 52-63.	1.9	46
53	Effects of endurance training on brain structures in chronic schizophrenia patients and healthy controls. Schizophrenia Research, 2016, 173, 182-191.	2.0	64
54	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431.	14.8	204

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55	Differential Patterns of Dysconnectivity in Mirror Neuron and Mentalizing Networks in Schizophrenia. Schizophrenia Bulletin, 2016, 42, 1135-1148.	4.3	51
56	Medial Prefrontal Aberrations in Major Depressive Disorder Revealed by Cytoarchitectonically Informed Voxel-Based Morphometry. American Journal of Psychiatry, 2016, 173, 291-298.	7.2	52
57	Dysregulation within the Prefronto-Parietal Background-Monitoring Network in Schizophrenia. Journal of Behavioral and Brain Science, 2016, 06, 364-376.	0.5	2
58	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
59	Functional characteristics of control adaptation in intermodal sensory processing. Brain and Cognition, 2015, 96, 43-55.	1.8	3
60	Dissociating pathomechanisms of depression with fMRI: bottom-up or top-down dysfunctions of the reward system. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 57-66.	3.2	22
61	On the role of the anterior prefrontal cortex in cognitive †branching': An fMRI study. Neuropsychologia, 2015, 77, 421-429.	1.6	12
62	Dynamic Amygdala Influences on the Fronto-Striatal Brain Mechanisms Involved in Self-Control of Impulsive Desires. Neuropsychobiology, 2015, 72, 37-45.	1.9	6
63	Hyperresponsivity and impaired prefrontal control of the mesolimbic reward system in schizophrenia. Journal of Psychiatric Research, 2015, 71, 8-15.	3.1	18
64	Disturbed cortico–amygdalar functional connectivity as pathophysiological correlate of working memory deficits in bipolar affective disorder. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 303-311.	3.2	37
65	Meta-Analytically Informed Network Analysis of Resting State fMRI Reveals Hyperconnectivity in an Introspective Socio-Affective Network in Depression. PLoS ONE, 2014, 9, e94973.	2.5	42
66	Magnetic Resonance Imaging in Studying Schizophrenia, Negative Symptoms, and the Glutamate System. Frontiers in Psychiatry, 2014, 5, 32.	2.6	37
67	Do Manual and Voxel-Based Morphometry Measure the Same? A Proof of Concept Study. Frontiers in Psychiatry, 2014, 5, 39.	2.6	19
68	Hippocampal integrity and neurocognition in first-episode schizophrenia: A multidimensional study. World Journal of Biological Psychiatry, 2014, 15, 188-199.	2.6	36
69	CACNA1C genotype explains interindividual differences in amygdala volume among patients with schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2014, 264, 93-102.	3.2	50
70	Different neural capacity limitations for articulatory and non-articulatory maintenance of verbal information. Experimental Brain Research, 2014, 232, 619-628.	1.5	5
71	Common and disease-specific dysfunctions of brain systems underlying attentional and executive control in schizophrenia and bipolar disorder. European Archives of Psychiatry and Clinical Neuroscience, 2014, 264, 517-532.	3.2	14
72	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696

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73	Disturbed Anterior Prefrontal Control of the Mesolimbic Reward System and Increased Impulsivity in Bipolar Disorder. Neuropsychopharmacology, 2014, 39, 1914-1923.	5.4	56
74	The effect of aerobic exercise on cortical architecture in patients with chronic schizophrenia: a randomized controlled MRI study. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 469-473.	3.2	58
75	Impaired Motor Cortex Responses in Non-Psychotic First-Degree Relatives of Schizophrenia Patients: A Cathodal tDCS Pilot Study. Brain Stimulation, 2013, 6, 821-829.	1.6	23
76	Effects of cannabis and familial loading on subcortical brain volumes in first-episode schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2013, 263, 155-168.	3.2	24
77	Gene expression of glutamate transporters SLC1A1, SLC1A3 and SLC1A6 in the cerebellar subregions of elderly schizophrenia patients and effects of antipsychotic treatment. World Journal of Biological Psychiatry, 2013, 14, 490-499.	2.6	15
78	Differential working memory performance as support for the Kraepelinian dichotomy between schizophrenia and bipolar disorder? An experimental neuropsychological study using circuit-specific working memory tasks. World Journal of Biological Psychiatry, 2013, 14, 258-267.	2.6	9
79	Assessment of Response to Lithium Maintenance Treatment in Bipolar Disorder: A Consortium on Lithium Genetics (ConLiGen) Report. PLoS ONE, 2013, 8, e65636.	2.5	156
80	Evidence for a Double Dissociation of Articulatory Rehearsal and Non-Articulatory Maintenance of Phonological Information in Human Verbal Working Memory. Neuropsychobiology, 2012, 65, 133-140.	1.9	22
81	Abnormal bihemispheric responses in schizophrenia patients following cathodal transcranial direct stimulation. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 415-423.	3.2	30
82	Genetic polymorphisms of 5-HTT and DAT but not COMT differentially affect verbal and visuospatial working memory functioning. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 667-676.	3.2	43
83	Dopaminergic modulation of neural correlates of working memory in Parkinson's Disease. Basal Ganglia, 2012, 2, 33-39.	0.3	4
84	A functional neuroimaging study assessing gender differences in the neural mechanisms underlying the ability to resist impulsive desires. Brain Research, 2012, 1473, 63-77.	2.2	47
85	Impaired long-term depression in schizophrenia: AÂcathodal tDCS pilot study. Brain Stimulation, 2012, 5, 475-483.	1.6	99
86	Multimodal functional and structural imaging investigations in psychosis research. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 97-106.	3.2	42
87	Impulsive personality and the ability to resist immediate reward: An fMRI study examining interindividual differences in the neural mechanisms underlying selfâ€control. Human Brain Mapping, 2012, 33, 2768-2784.	3.6	53
88	Antagonistic modulatory influences of negative affect on cognitive control: Reduced and enhanced interference resolution capability after the induction of fear and sadness. Acta Psychologica, 2012, 139, 507-514.	1.5	21
89	The role of the human ventral striatum and the medial orbitofrontal cortex in the representation of reward magnitude – An activation likelihood estimation meta-analysis of neuroimaging studies of passive reward expectancy and outcome processing. Neuropsychologia, 2012, 50, 1252-1266.	1.6	281
90	Grey matter differences in bipolar disorder: a metaâ€analysis of voxelâ€based morphometry studies. Bipolar Disorders, 2012, 14, 135-145.	1.9	243

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91	Association of the brain-derived neurotrophic factor val66met polymorphism with magnetic resonance spectroscopic markers in the human hippocampus: in vivo evidence for effects on the glutamate system. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 23-31.	3.2	41
92	A gateway system in rostral PFC? Evidence from biasing attention to perceptual information and internal representations. NeuroImage, 2011, 56, 1666-1676.	4.2	29
93	Fear is only as deep as the mind allows. NeuroImage, 2011, 58, 275-285.	4.2	367
94	The power of imagination $\hat{a}\in$ " How anticipatory mental imagery alters perceptual processing of fearful facial expressions. NeuroImage, 2011, 54, 1703-1714.	4.2	33
95	Dysfunctional long-term potentiation-like plasticity in schizophrenia revealed by transcranial direct current stimulation. Behavioural Brain Research, 2011, 224, 15-22.	2.2	140
96	How negative affect influences neural control processes underlying the resolution of cognitive interference: An event-related fMRI study. Neuroscience Research, 2011, 70, 415-427.	1.9	37
97	The role of the cerebellum in schizophrenia: from cognition to molecular pathways. Clinics, 2011, 66, 71-77.	1.5	91
98	The orbitofrontal cortex and its role in the assignment of behavioural significance. Neuropsychologia, 2011, 49, 984-991.	1.6	27
99	Planum temporale asymmetry to the right hemisphere in first-episode schizophrenia. Psychiatry Research - Neuroimaging, 2011, 193, 56-59.	1.8	19
100	A systematic experimental neuropsychological investigation of the functional integrity of working memory circuits in major depression. European Archives of Psychiatry and Clinical Neuroscience, 2011, 261, 179-184.	3.2	21
101	Schizophrenia as a disorder of disconnectivity. European Archives of Psychiatry and Clinical Neuroscience, 2011, 261, 150-154.	3.2	197
102	Pathological amygdala activation during working memory performance: Evidence for a pathophysiological trait marker in bipolar affective disorder. Human Brain Mapping, 2010, 31, 115-125.	3.6	57
103	Reduced prefrontal gyrification in obsessive–compulsive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 455-464.	3.2	37
104	Patients with schizophrenia show deficits of working memory maintenance components in circuit-specific tasks. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 519-525.	3.2	26
105	Disturbed functional connectivity within brain networks subserving domain-specific subcomponents of working memory in schizophrenia: Relation to performance and clinical symptoms. Journal of Psychiatric Research, 2010, 44, 364-372.	3.1	109
106	A neural system for evaluating the behavioural relevance of salient events outside the current focus of attention. Brain Research, 2010, 1351, 212-221.	2.2	24
107	Hippocampal Plasticity in Response to Exercise in Schizophrenia. Archives of General Psychiatry, 2010, 67, 133.	12.3	503
108	The International Consortium on Lithium Genetics (ConLiGen): An Initiative by the NIMH and IGSLI to Study the Genetic Basis of Response to Lithium Treatment. Neuropsychobiology, 2010, 62, 72-78.	1.9	134

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109	When Desire Collides with Reason: Functional Interactions between Anteroventral Prefrontal Cortex and Nucleus Accumbens Underlie the Human Ability to Resist Impulsive Desires. Journal of Neuroscience, 2010, 30, 1488-1493.	3.6	120
110	Cognitive impairment of executive function as a core symptom of schizophrenia. World Journal of Biological Psychiatry, 2009, 10, 442-451.	2.6	62
111	Functional architecture of verbal and tonal working memory: An FMRI study. Human Brain Mapping, 2009, 30, 859-873.	3.6	273
112	Functional interactions guiding adaptive processing of behavioral significance. Human Brain Mapping, 2009, 30, 3325-3331.	3.6	14
113	5-HTTLPR genotype influences amygdala volume. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 212-217.	3.2	28
114	Diagnosis-specific effect of familial loading on verbal working memory in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 309-315.	3.2	17
115	Evaluation of cognition, structural, and functional MRI in juvenile myoclonic epilepsy. Epilepsia, 2009, 50, 2456-2465.	5.1	84
116	Decomposing interference during Stroop performance into different conflict factors: An event-related fMRI study. Cortex, 2009, 45, 189-200.	2.4	53
117	Brain mechanisms associated with background monitoring of the environment for potentially significant sensory events. Brain and Cognition, 2009, 69, 559-564.	1.8	26
118	Dopamine transporter genotype influencesN-acetyl-aspartate in the left putamen. World Journal of Biological Psychiatry, 2009, 10, 524-530.	2.6	13
119	The Neural Implementation of Working Memory. On Thinking, 2009, , 109-122.	0.5	1
120	SNAP-25 genotype influences NAA/Cho in left hippocampus. Journal of Neural Transmission, 2008, 115, 1513-1518.	2.8	11
121	No change to grey and white matter volumes in bipolar I disorder patients. European Archives of Psychiatry and Clinical Neuroscience, 2008, 258, 345-349.	3.2	54
122	Impact of neuregulin-1 on the pathophysiology of schizophrenia in human post-mortem studies. European Archives of Psychiatry and Clinical Neuroscience, 2008, 258, 35-39.	3.2	20
123	Functional brain abnormalities in psychiatric disorders: Neural mechanisms to detect and resolve cognitive conflict and interference. Brain Research Reviews, 2008, 59, 96-124.	9.0	79
124	Functional neuroimaging of reward processing and decision-making: A review of aberrant motivational and affective processing in addiction and mood disorders. Brain Research Reviews, 2008, 59, 164-184.	9.0	146
125	Neuregulin-1 haplotype HAPICE is associated with lower hippocampal volumes in schizophrenic patients and in non-affected family members. Journal of Psychiatric Research, 2008, 43, 1-6.	3.1	44
126	The neural substrate of the ideomotor principle: An event-related fMRI analysis. NeuroImage, 2008, 39, 1274-1288.	4.2	111

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#	Article	IF	CITATION
127	ArbeitsgedÃ <b>¤</b> htnis — Bildgebung. , 2008, , 242-251.		O
128	Compensatory hyperactivations as markers of latent working memory dysfunctions in patients with obsessive-compulsive disorder: an fMRI study. Journal of Psychiatry and Neuroscience, 2008, 33, 209-15.	2.4	43
129	Articulatory rehearsal in verbal working memory: A possible neurocognitive endophenotype that differentiates between schizophrenia and schizoaffective disorder. Neuroscience Letters, 2006, 405, 24-28.	2.1	53
130	Oddball and incongruity effects during Stroop task performance: A comparative fMRI study on selective attention. Brain Research, 2006, 1121, 136-149.	2.2	46
131	Executive control emerging from dynamic interactions between brain systems mediating language, working memory and attentional processes. Acta Psychologica, 2004, 115, 105-121.	1.5	194
132	The functional neuroanatomy of human working memory revisited. NeuroImage, 2003, 19, 797-809.	4.2	172
133	Effects of Domain-specific Interference on Brain Activation Associated with Verbal Working Memory Task Performance. Cerebral Cortex, 2001, 11, 1047-1055.	2.9	117