Dimitris A Pinotsis

List of Publications by Citations

40 papers	826 citations	16 h-index	28 g-index
45 ext. papers	1,097 ext. citations	4.5 avg, IF	4.58 L-index

#	Paper	IF	Citations
40	Neural masses and fields in dynamic causal modeling. *Frontiers in Computational Neuroscience*, **2013**, 7, 57	3.5	135
39	LFP and oscillations-what do they tell us?. *Current Opinion in Neurobiology*, **2015**, 31, 1-6	7.6	116
38	Extracting novel information from neuroimaging data using neural fields. *BMC Neuroscience*, **2014**, 15,	3.2	78
37	Dynamic causal modeling with neural fields. *NeuroImage*, **2012**, 59, 1261-74	7.9	70
36	Contrast gain control and horizontal interactions in V1: a DCM study. *NeuroImage*, **2014**, 92, 143-55	7.9	48
35	Dynamic causal modelling of lateral interactions in the visual cortex. *NeuroImage*, **2013**, 66, 563-76	7.9	44
34	Impaired prefrontal synaptic gain in people with psychosis and their relatives during the mismatch negativity. *Human Brain Mapping*, **2016**, 37, 351-65	5.9	41
33	Anatomical connectivity and the resting state activity of large cortical networks. *NeuroImage*, **2013**, 65, 127-38	7.9	40
32	Dynamic causal modelling of eye movements during pursuit: Confirming precision-encoding in V1 using MEG. *NeuroImage*, **2016**, 132, 175-189	7.9	25
31	Neural masses and fields: modeling the dynamics of brain activity. *Frontiers in Computational Neuroscience*, **2014**, 8, 149	3.5	24
30	Neural fields, spectral responses and lateral connections. *NeuroImage*, **2011**, 55, 39-48	7.9	22
29	Language processing with dynamic fields. *Cognitive Neurodynamics*, **2008**, 2, 79-88	4.2	21
28	Linking canonical microcircuits and neuronal activity: Dynamic causal modelling of laminar recordings. *NeuroImage*, **2017**, 146, 355-366	7.9	19
27	Abnormal frontoparietal synaptic gain mediating the P300 in patients with psychotic disorder and their unaffected relatives. *Human Brain Mapping*, **2017**, 38, 3262-3276	5.9	16
26	On conductance-based neural field models. *Frontiers in Computational Neuroscience*, **2013**, 7, 158	3.5	16
25	The Dbar formalism for certain linear non-homogeneous elliptic PDEs in two dimensions. *European Journal of Applied Mathematics*, **2006**, 17, 323-346	1	16
24	On the spectra of certain integro-differential-delay problems with applications in neurodynamics. *Physica D: Nonlinear Phenomena*, **2011**, 240, 13-20	3.3	14

23	Intersubject variability and induced gamma in the visual cortex: DCM with empirical Bayes and neural fields. *Human Brain Mapping*, **2016**, 37, 4597-4614	5.9	10
22	The Riemann-Hilbert Formalism For Certain Linear and Nonlinear Integrable PDEs. *Journal of Nonlinear Mathematical Physics*, **2007**, 14, 474	0.9	7
21	A study into the layers of automated decision-making: emergent normative and legal aspects of deep learning. *International Review of Law, Computers and Technology*, **2017**, 31, 170-187	1.1	6
20	Quaternions, Evaluation of Integrals and Boundary Value Problems. *Computational Methods and Function Theory*, **2007**, 7, 443-476	0.9	6
19	Working Memory Load Modulates Neuronal Coupling. *Cerebral Cortex*, **2019**, 29, 1670-1681	5.1	6
18	Extracting novel information from neuroimaging data using neural fields. *EPJ Nonlinear Biomedical Physics*, **2014**, 2,		5
17	Moving boundary value problems for the wave equation. *Journal of Computational and Applied Mathematics*, **2010**, 234, 1685-1691	2.4	5
16	Gamma Oscillations and Neural Field DCMs Can Reveal Cortical Excitability and Microstructure. *AIMS Neuroscience*, **2014**, 1, 18-38	1.7	5
15	On memories, neural ensembles and mental flexibility. *NeuroImage*, **2017**, 157, 297-313	7.9	4
14	The Klein-Gordon Equation on the Half Line: a Riemann-Hilbert Approach. *Journal of Nonlinear Mathematical Physics*, **2008**, 15, 334	0.9	4
13	Segre quaternions, spectral analysis and a four-dimensional Laplace equation **2010**,		4
12	Boundary value problems for the N-wave interaction equations. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 1940-1950	2.3	3
11	Bayesian Modelling of Induced Responses and Neuronal Rhythms. *Brain Topography*, **2019**, 32, 569-582	4.3	3
10	Sensory processing and categorization in cortical and deep neural networks. *NeuroImage*, **2019**, 202, 116118	7.9	2
9	The Klein□ordon Equation in a Domain with Time-Dependent Boundary. *Studies in Applied Mathematics*, **2008**, 121, 291-312	2.1	2
8	Statistical decision theory and multiscale analyses of human brain data. *Journal of Neuroscience Methods*, **2020**, 346, 108912	3	2
7	Beyond dimension reduction: Stable electric fields emerge from and allow representational drift.. *NeuroImage*, **2022**, 119058	7.9	2
6	Thalamocortical inhibitory dynamics support conscious perception. *NeuroImage*, **2020**, 220, 117066	7.9	1

5	Commutative quaternions, spectral analysis and boundary value problems. *Complex Variables and Elliptic Equations*, **2012**, 57, 953-966	0.5	1
4	Quaternionic Analysis, Elliptic Problems and a Physical Application of the Dbar Formalism. *Advances in Applied Clifford Algebras*, **2010**, 20, 819-836	1	1
3	Differences in visually induced MEG oscillations reflect differences in deep cortical layer activity. *Communications Biology*, **2020**, 3, 707	6.7	1
2	Neural Fields, Masses and Bayesian Modelling **2014**, 433-455		0
1	Integral representations of displacements in linear elasticity. *Applied Mathematics Letters*, **2011**, 24, 1670-1675	3.5	