

# Pablo F Damasceno

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,454  
citations

567281

15  
h-index

610901

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving beyond the constraints of chemistry via crystal structure discovery with isotropic multiwell pair potentials. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
2	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. Neuron, 2021, 109, 1769-1775.	8.1	27
3	Emergence of canonical functional networks from the structural connectome. NeuroImage, 2021, 237, 118190.	4.2	15
4	Federated learning for predicting clinical outcomes in patients with COVID-19. Nature Medicine, 2021, 27, 1735-1743.	30.7	300
5	Automatic Vertebral Body Segmentation Based on Deep Learning of Dixon Images for Bone Marrow Fat Fraction Quantification. Frontiers in Endocrinology, 2020, 11, 612.	3.5	21
6	Network diffusion model enhances predictions of future tauâ€PET burden in Alzheimerâ€s patients. Alzheimer's and Dementia, 2020, 16, e039480.	0.8	0
7	How â€atypicalâ€ is the neuroimaging signature of Alzheimerâ€s atypical variants? MRI and PET imaging of posterior cortical atrophy and logopenic variant of primary progressive aphasia. Alzheimer's and Dementia, 2020, 16, e040623.	0.8	0
8	Colocalization of atrophy and tau improves AI classification of Alzheimer phenotypical variants. Alzheimer's and Dementia, 2020, 16, e046258.	0.8	1
9	Dynamical Role of Pivotal Brain Regions in Parkinson Symptomatology Uncovered with Deep Learning. Brain Sciences, 2020, 10, 73.	2.3	6
10	NIMG-44. INTEGRATING AUTOMATED LESION SEGMENTATIONS FROM SINGLE-IMAGES INTO ROUTINE CLINICAL WORKFLOW FOR VOLUMETRIC RESPONSE ASSESSMENT. Neuro-Oncology, 2020, 22, ii157-ii157.	1.2	1
11	Unusual multiscale mechanics of biomimetic nanoparticle hydrogels. Nature Communications, 2018, 9, 181.	12.8	28
12	Universal folding pathways of polyhedron nets. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6690-E6696.	7.1	16
13	Non-close-packed three-dimensional quasicrystals. Journal of Physics Condensed Matter, 2017, 29, 234005.	1.8	22
14	On the Form and Growth of Complex Crystals: The Case of Tsai-Type Clusters. Symmetry, 2017, 9, 188.	2.2	7
15	Computational self-assembly of complex crystals. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s94-s94.	0.1	0
16	Role of Short-Range Order and Hyperuniformity in the Formation of Band Gaps in Disordered Photonic Materials. Physical Review Letters, 2016, 117, 053902.	7.8	88
17	Controlling Chirality of Entropic Crystals. Physical Review Letters, 2015, 115, 158303.	7.8	15
18	Symmetry Considerations for the Targeted Assembly of Entropically Stabilized Colloidal Crystals via Voronoi Particles. ACS Nano, 2015, 9, 2336-2344.	14.6	26

#	ARTICLE	IF	CITATIONS
19	A kirigami approach to engineering elasticity in nanocomposites through patterned defects. Nature Materials, 2015, 14, 785-789.	27.5	509
20	Computational self-assembly of a one-component icosahedral quasicrystal. Nature Materials, 2015, 14, 109-116.	27.5	129
21	Complexity in Surfaces of Densest Packings for Families of Polyhedra. Physical Review X, 2014, 4, .	8.9	36
22	A Directional Entropic Force Approach to Assemble Anisotropic Nanoparticles into Superlattices. Angewandte Chemie - International Edition, 2013, 52, 13980-13984.	13.8	90
23	Crystalline Assemblies and Densest Packings of a Family of Truncated Tetrahedra and the Role of Directional Entropic Forces. ACS Nano, 2012, 6, 609-614.	14.6	190
24	Predictive Self-Assembly of Polyhedra into Complex Structures. Science, 2012, 337, 453-457.	12.6	882
25	Temperature and Pinning Effects on Driving a 2D Electron System on a Helium Film: A Numerical Study. Journal of Low Temperature Physics, 2010, 160, 58-67.	1.4	4
26	Two-dimensional Coulomb solid with interaction anisotropy. Physical Review B, 2010, 81, .	3.2	2
27	Pressure-induced structural phase transitions in a two-dimensional system. Physical Review B, 2009, 79, .	3.2	3
28	Computational self-assembly of a one-component icosahedral quasicrystal. , 0, .		1