

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	Predictive Self-Assembly of Polyhedra into Complex Structures. <i>Science</i> , 2012, 337, 453-457.	12.6	882
2	A kirigami approach to engineering elasticity in nanocomposites through patterned defects. <i>Nature Materials</i> , 2015, 14, 785-789.	27.5	509
3	Federated learning for predicting clinical outcomes in patients with COVID-19. <i>Nature Medicine</i> , 2021, 27, 1735-1743.	30.7	300
4	Crystalline Assemblies and Densest Packings of a Family of Truncated Tetrahedra and the Role of Directional Entropic Forces. <i>ACS Nano</i> , 2012, 6, 609-614.	14.6	190
5	Computational self-assembly of a one-component icosahedral quasicrystal. <i>Nature Materials</i> , 2015, 14, 109-116.	27.5	129
6	A Directional Entropic Force Approach to Assemble Anisotropic Nanoparticles into Superlattices. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13980-13984.	13.8	90
7	Role of Short-Range Order and Hyperuniformity in the Formation of Band Gaps in Disordered Photonic Materials. <i>Physical Review Letters</i> , 2016, 117, 053902.	7.8	88
8	Complexity in Surfaces of Densest Packings for Families of Polyhedra. <i>Physical Review X</i> , 2014, 4, .	8.9	36
9	Unusual multiscale mechanics of biomimetic nanoparticle hydrogels. <i>Nature Communications</i> , 2018, 9, 181.	12.8	28
10	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021, 109, 1769-1775.	8.1	27
11	Symmetry Considerations for the Targeted Assembly of Entropically Stabilized Colloidal Crystals <i>via</i> Voronoi Particles. <i>ACS Nano</i> , 2015, 9, 2336-2344.	14.6	26
12	Non-close-packed three-dimensional quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 234005.	1.8	22
13	Automatic Vertebral Body Segmentation Based on Deep Learning of Dixon Images for Bone Marrow Fat Fraction Quantification. <i>Frontiers in Endocrinology</i> , 2020, 11, 612.	3.5	21
14	Universal folding pathways of polyhedron nets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6690-E6696.	7.1	16
15	Controlling Chirality of Entropic Crystals. <i>Physical Review Letters</i> , 2015, 115, 158303.	7.8	15
16	Emergence of canonical functional networks from the structural connectome. <i>NeuroImage</i> , 2021, 237, 118190.	4.2	15
17	Moving beyond the constraints of chemistry via crystal structure discovery with isotropic multiwell pair potentials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
18	On the Form and Growth of Complex Crystals: The Case of Tsai-Type Clusters. <i>Symmetry</i> , 2017, 9, 188.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Dynamical Role of Pivotal Brain Regions in Parkinson Symptomatology Uncovered with Deep Learning. <i>Brain Sciences</i> , 2020, 10, 73.	2.3	6
20	Temperature and Pinning Effects on Driving a 2D Electron System on a Helium Film: A Numerical Study. <i>Journal of Low Temperature Physics</i> , 2010, 160, 58-67.	1.4	4
21	Pressure-induced structural phase transitions in a two-dimensional system. <i>Physical Review B</i> , 2009, 79, .	3.2	3
22	Two-dimensional Coulomb solid with interaction anisotropy. <i>Physical Review B</i> , 2010, 81, .	3.2	2
23	Colocalization of atrophy and tau improves AI classification of Alzheimer phenotypical variants. <i>Alzheimer's and Dementia</i> , 2020, 16, e046258.	0.8	1
24	Computational self-assembly of a one-component icosahedral quasicrystal. , 0, .		1
25	NIMG-44. INTEGRATING AUTOMATED LESION SEGMENTATIONS FROM SINGLE-IMAGES INTO ROUTINE CLINICAL WORKFLOW FOR VOLUMETRIC RESPONSE ASSESSMENT. <i>Neuro-Oncology</i> , 2020, 22, ii157-ii157.	1.2	1
26	Computational self-assembly of complex crystals. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s94-s94.	0.1	0
27	Network diffusion model enhances predictions of future tauâ€PET burden in Alzheimerâ€s patients. <i>Alzheimer's and Dementia</i> , 2020, 16, e039480.	0.8	0
28	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. <i>Alzheimer's and Dementia</i> , 2020, 16, e040623.	0.8	0