Tiago Botari

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6856047/publications.pdf

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		759233	752698
19	1,423	12	20
papers	citations	h-index	g-index

20	20	20	2191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Similarity of Precursors in Solid-State Synthesis as Text-Mined from Scientific Literature. Chemistry of Materials, 2020, 32, 7861-7873.	6.7	49
2	Hydrogen Evolution at the In Situ MoO₃/MoS₂ Heterojunctions Created by Nonthermal O₂ Plasma Treatment. ACS Applied Energy Materials, 2020, 3, 5333-5342.	5.1	24
3	Explainable Machine Learning Algorithms For Predicting Glass Transition Temperatures. Acta Materialia, 2020, 188, 92-100.	7.9	62
4	Local Interpretation Methods to Machine Learning Using the Domain of the Feature Space. Communications in Computer and Information Science, 2020, , 241-252.	0.5	4
5	Semi-supervised machine-learning classification of materials synthesis procedures. Npj Computational Materials, 2019, 5, .	8.7	85
6	Text-mined dataset of inorganic materials synthesis recipes. Scientific Data, 2019, 6, 203.	5.3	121
7	Prediction of strain-controlled adhesion in a single-layer covalent organic framework. Carbon, 2019, 143, 172-178.	10.3	9
8	Fast simulation of railway pneumatic brake systems. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 420-430.	2.0	7
9	Mechanical Properties of Schwarzites - A Fully Atomistic Reactive Molecular Dynamics Investigation. MRS Advances, 2018, 3, 451-456.	0.9	7
10	Ureaâ€Modified Carbon Nitrides: Enhancing Photocatalytic Hydrogen Evolution by Rational Defect Engineering. Advanced Energy Materials, 2017, 7, 1602251.	19.5	238
11	Mechanical properties and fracture patterns of graphene (graphitic) nanowiggles. Carbon, 2017, 119, 431-437.	10.3	22
12	Thermodynamic Equilibria in Carbon Nitride Photocatalyst Materials and Conditions for the Existence of Graphitic Carbon Nitride g-C₃N₄. Chemistry of Materials, 2017, 29, 4445-4453.	6.7	58
13	Mechanical and structural properties of graphene-like carbon nitride sheets. RSC Advances, 2016, 6, 76915-76921.	3.6	44
14	Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. Nature Communications, 2016, 7, 12165.	12.8	586
15	Graphene healing mechanisms: A theoretical investigation. Carbon, 2016, 99, 302-309.	10.3	29
16	One-dimensional silicon and germanium nanostructures with no carbon analogues. Physical Chemistry Chemical Physics, 2014, 16, 24570-24574.	2.8	8
17	Mechanical properties and fracture dynamics of silicene membranes. Physical Chemistry Chemical Physics, 2014, 16, 19417-19423.	2.8	56
18	One-dimensional Fermi accelerator model with moving wall described by a nonlinear van der Pol oscillator. Physical Review E, 2013, 87, 012904.	2.1	2

#	Article	IF	Citations
19	Explaining the high number of infected people by dengue in Rio de Janeiro in 2008 using a susceptible-infective-recovered model. Physical Review E, 2011, 83, 037101.	2.1	10