

Tiago Botari

List of Publications by Year in descending order

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

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19
papers

1,423
citations

758635

12
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

2191
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of carbon nitride photocatalysts by identification of cyanamide defects as catalytically relevant sites. <i>Nature Communications</i> , 2016, 7, 12165.	5.8	586
2	Urea-Modified Carbon Nitrides: Enhancing Photocatalytic Hydrogen Evolution by Rational Defect Engineering. <i>Advanced Energy Materials</i> , 2017, 7, 1602251.	10.2	238
3	Text-mined dataset of inorganic materials synthesis recipes. <i>Scientific Data</i> , 2019, 6, 203.	2.4	121
4	Semi-supervised machine-learning classification of materials synthesis procedures. <i>Npj Computational Materials</i> , 2019, 5, .	3.5	85
5	Explainable Machine Learning Algorithms For Predicting Glass Transition Temperatures. <i>Acta Materialia</i> , 2020, 188, 92-100.	3.8	62
6	Thermodynamic Equilibria in Carbon Nitride Photocatalyst Materials and Conditions for the Existence of Graphitic Carbon Nitride $g-C_3N_4$. <i>Chemistry of Materials</i> , 2017, 29, 4445-4453.	3.2	58
7	Mechanical properties and fracture dynamics of silicene membranes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19417-19423.	1.3	56
8	Similarity of Precursors in Solid-State Synthesis as Text-Mined from Scientific Literature. <i>Chemistry of Materials</i> , 2020, 32, 7861-7873.	3.2	49
9	Mechanical and structural properties of graphene-like carbon nitride sheets. <i>RSC Advances</i> , 2016, 6, 76915-76921.	1.7	44
10	Graphene healing mechanisms: A theoretical investigation. <i>Carbon</i> , 2016, 99, 302-309.	5.4	29
11	Hydrogen Evolution at the In Situ MoO_3/MoS_2 Heterojunctions Created by Nonthermal O_2 Plasma Treatment. <i>ACS Applied Energy Materials</i> , 2020, 3, 5333-5342.	2.5	24
12	Mechanical properties and fracture patterns of graphene (graphitic) nanowiggles. <i>Carbon</i> , 2017, 119, 431-437.	5.4	22
13	Explaining the high number of infected people by dengue in Rio de Janeiro in 2008 using a susceptible-infective-recovered model. <i>Physical Review E</i> , 2011, 83, 037101.	0.8	10
14	Prediction of strain-controlled adhesion in a single-layer covalent organic framework. <i>Carbon</i> , 2019, 143, 172-178.	5.4	9
15	One-dimensional silicon and germanium nanostructures with no carbon analogues. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24570-24574.	1.3	8
16	Mechanical Properties of Schwarzites - A Fully Atomistic Reactive Molecular Dynamics Investigation. <i>MRS Advances</i> , 2018, 3, 451-456.	0.5	7
17	Fast simulation of railway pneumatic brake systems. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2019, 233, 420-430.	1.3	7
18	Local Interpretation Methods to Machine Learning Using the Domain of the Feature Space. <i>Communications in Computer and Information Science</i> , 2020, , 241-252.	0.4	4

#	ARTICLE	IF	CITATIONS
19	One-dimensional Fermi accelerator model with moving wall described by a nonlinear van der Pol oscillator. <i>Physical Review E</i> , 2013, 87, 012904.	0.8	2