

H Tarik Baytekin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3355234/publications.pdf>

Version: 2024-02-01

19
papers

1,182
citations

516710

16
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	Online lubricant degradation monitoring using contact charging of polymers. Applied Surface Science, 2022, 584, 152593.	6.1	2
2	Mechanical Control of Periodic Precipitation in Stretchable Gels to Retrieve Information on Elastic Deformation and for the Complex Patterning of Matter. Advanced Materials, 2020, 32, e1905779.	21.0	19
3	Why Does Wood Not Get Contact Charged? Lignin as an Antistatic Additive for Common Polymers. Chemistry of Materials, 2020, 32, 7438-7444.	6.7	24
4	Stretchable Gels: Mechanical Control of Periodic Precipitation in Stretchable Gels to Retrieve Information on Elastic Deformation and for the Complex Patterning of Matter (Adv. Mater. 10/2020). Advanced Materials, 2020, 32, 2070077.	21.0	1
5	The Charging Events in Contact-Separation Electrification. Scientific Reports, 2018, 8, 2472.	3.3	44
6	Artificial Heliotropism and Nyctinasty Based on Optomechanical Feedback and No Electronics. Soft Robotics, 2018, 5, 93-98.	8.0	13
7	Minimizing friction, wear, and energy losses by eliminating contact charging. Science Advances, 2018, 4, eaau3808.	10.3	60
8	Dependence of triboelectric charging behavior on material microstructure. Physical Review Materials, 2017, 1, .	2.4	33
9	Mechanochemical Activation and Patterning of an Adhesive Surface toward Nanoparticle Deposition. Journal of the American Chemical Society, 2015, 137, 1726-1729.	13.7	39
10	Retrieving and converting energy from polymers: deployable technologies and emerging concepts. Energy and Environmental Science, 2013, 6, 3467.	30.8	73
11	Control of Surface Charges by Radicals as a Principle of Antistatic Polymers Protecting Electronic Circuitry. Science, 2013, 341, 1368-1371.	12.6	148
12	What Really Drives Chemical Reactions on Contact Charged Surfaces?. Journal of the American Chemical Society, 2012, 134, 7223-7226.	13.7	111
13	Mechanoradicals Created in "Polymeric Sponges" Drive Reactions in Aqueous Media. Angewandte Chemie - International Edition, 2012, 51, 3596-3600.	13.8	78
14	Material Transfer and Polarity Reversal in Contact Charging. Angewandte Chemie - International Edition, 2012, 51, 4843-4847.	13.8	154
15	Is Water Necessary for Contact Electrification?. Angewandte Chemie - International Edition, 2011, 50, 6766-6770.	13.8	101
16	Metallo-Supramolecular Nanospheres via Hierarchical Self-Assembly. Chemistry of Materials, 2009, 21, 2980-2992.	6.7	19
17	Characterization of Self-Assembled Metallodendrimers in Solution, in the Gas Phase, and at Air/Solid Interfaces. Small, 2008, 4, 1823-1834.	10.0	41
18	Mass spectrometric studies of non-covalent compounds: why supramolecular chemistry in the gas phase?. Organic and Biomolecular Chemistry, 2006, 4, 2825.	2.8	100

#	ARTICLE	IF	CITATIONS
19	A Molecular NAND Gate Based on Watson-Crick Base Pairing. <i>Organic Letters</i> , 2000, 2, 1725-1727.	4.6	122