

# 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	Material Transfer and Polarity Reversal in Contact Charging. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4843-4847.	13.8	154
2	Control of Surface Charges by Radicals as a Principle of Antistatic Polymers Protecting Electronic Circuitry. <i>Science</i> , 2013, 341, 1368-1371.	12.6	148
3	A Molecular NAND Gate Based on Watson-Crick Base Pairing. <i>Organic Letters</i> , 2000, 2, 1725-1727.	4.6	122
4	What Really Drives Chemical Reactions on Contact Charged Surfaces?. <i>Journal of the American Chemical Society</i> , 2012, 134, 7223-7226.	13.7	111
5	Is Water Necessary for Contact Electrification?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6766-6770.	13.8	101
6	Mass spectrometric studies of non-covalent compounds: why supramolecular chemistry in the gas phase?. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2825.	2.8	100
7	Mechanoradicals Created in "Polymeric Sponges" Drive Reactions in Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3596-3600.	13.8	78
8	Retrieving and converting energy from polymers: deployable technologies and emerging concepts. <i>Energy and Environmental Science</i> , 2013, 6, 3467.	30.8	73
9	Minimizing friction, wear, and energy losses by eliminating contact charging. <i>Science Advances</i> , 2018, 4, eaau3808.	10.3	60
10	The Charging Events in Contact-Separation Electrification. <i>Scientific Reports</i> , 2018, 8, 2472.	3.3	44
11	Characterization of Self-Assembled Metallo-dendrimers in Solution, in the Gas Phase, and at Air/Solid Interfaces. <i>Small</i> , 2008, 4, 1823-1834.	10.0	41
12	Mechanochemical Activation and Patterning of an Adhesive Surface toward Nanoparticle Deposition. <i>Journal of the American Chemical Society</i> , 2015, 137, 1726-1729.	13.7	39
13	Dependence of triboelectric charging behavior on material microstructure. <i>Physical Review Materials</i> , 2017, 1, .	2.4	33
14	Why Does Wood Not Get Contact Charged? Lignin as an Antistatic Additive for Common Polymers. <i>Chemistry of Materials</i> , 2020, 32, 7438-7444.	6.7	24
15	Metallo-Supramolecular Nanospheres via Hierarchical Self-Assembly. <i>Chemistry of Materials</i> , 2009, 21, 2980-2992.	6.7	19
16	Mechanical Control of Periodic Precipitation in Stretchable Gels to Retrieve Information on Elastic Deformation and for the Complex Patterning of Matter. <i>Advanced Materials</i> , 2020, 32, e1905779.	21.0	19
17	Artificial Heliotropism and Nyctinasty Based on Optomechanical Feedback and No Electronics. <i>Soft Robotics</i> , 2018, 5, 93-98.	8.0	13
18	Online lubricant degradation monitoring using contact charging of polymers. <i>Applied Surface Science</i> , 2022, 584, 152593.	6.1	2

#	ARTICLE	IF	CITATIONS
19	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