OndÅej Tomanec

List of Publications by Year in descending order

23 papers	1,434 citations	393982 19 h-index	580395 25 g-index
26 all docs	26 docs citations	26 times ranked	2797 citing authors

#	Article	IF	Citations
1	Optimized Pt Single Atom Harvesting on TiO₂ Nanotubesâ€"Towards a Most Efficient Photocatalyst. Small, 2022, 18, e2104892.	5.2	43
2	Fast and selective reduction of nitroarenes under visible light with an earth-abundant plasmonic photocatalyst. Nature Nanotechnology, 2022, 17, 485-492.	15.6	78
3	Pt Single Atoms on TiO₂ Polymorphsâ€"Minimum Loading with a Maximized Photocatalytic Efficiency. Advanced Materials Interfaces, 2022, 9, .	1.9	20
4	Advanced Photocatalysts: Pinning Single Atom Coâ€Catalysts on Titania Nanotubes. Advanced Functional Materials, 2021, 31, 2102843.	7.8	44
5	On the Controlled Loading of Single Platinum Atoms as a Coâ€Catalyst on TiO₂ Anatase for Optimized Photocatalytic H₂ Generation. Advanced Materials, 2020, 32, e1908505.	11.1	189
6	Sulfonated dendritic mesoporous silica nanospheres: a metal-free Lewis acid catalyst for the upgrading of carbohydrates. Green Chemistry, 2020, 22, 1754-1762.	4.6	17
7	Polypyrrole and Carbon Nanotube Coâ€Composited Titania Anodes with Enhanced Sodium Storage Performance in Etherâ€Based Electrolyte. Advanced Sustainable Systems, 2019, 3, 1800154.	2.7	5
8	Singleâ€Atom Catalysis: Mixedâ€Valence Singleâ€Atom Catalyst Derived from Functionalized Graphene (Adv.) Tj ETQq0 0 0 rgBT /Overlo	11.1	8
9	Mixedâ€Valence Singleâ€Atom Catalyst Derived from Functionalized Graphene. Advanced Materials, 2019, 31, e1900323.	11.1	129
10	Spaced Titania Nanotube Arrays Allow the Construction of an Efficient Nâ€Doped Hierarchical Structure for Visibleâ€Light Harvesting. ChemistryOpen, 2018, 7, 131-135.	0.9	5
11	Nanoporous AuPt and AuPtAg alloy co-catalysts formed by dewettingâ€"dealloying on an ordered TiO₂ nanotube surface lead to significantly enhanced photocatalytic H₂ generation. Journal of Materials Chemistry A, 2018, 6, 13599-13606.	5.2	37
12	Vapor-Infiltration Approach toward Selenium/Reduced Graphene Oxide Composites Enabling Stable and High-Capacity Sodium Storage. ACS Nano, 2018, 12, 7397-7405.	7.3	60
13	Forming a Highly Active, Homogeneously Alloyed AuPt Co-catalyst Decoration on TiO₂ Nanotubes Directly During Anodic Growth. ACS Applied Materials & Interfaces, 2018, 10, 18220-18226.	4.0	37
14	Cobalt-entrenched N-, O-, and S-tridoped carbons as efficient multifunctional sustainable catalysts for base-free selective oxidative esterification of alcohols. Green Chemistry, 2018, 20, 3542-3556.	4.6	47
15	Functional Nanosheet Synthons by Covalent Modification of Transition-Metal Dichalcogenides. Chemistry of Materials, 2017, 29, 2066-2073.	3.2	56
16	Iron-Oxide-Supported Ultrasmall ZnO Nanoparticles: Applications for Transesterification, Amidation, and O-Acylation Reactions. ACS Sustainable Chemistry and Engineering, 2017, 5, 3314-3320.	3.2	21
17	Cyanographene and Graphene Acid: Emerging Derivatives Enabling High-Yield and Selective Functionalization of Graphene. ACS Nano, 2017, 11, 2982-2991.	7.3	133
18	Selective Bromination of Graphene Oxide by the Hunsdiecker Reaction. Chemistry - A European Journal, 2017, 23, 10473-10479.	1.7	21

#	Article	IF	Citations
19	In Situ Generation of Pdâ€“Pt Coreâ€“Shell Nanoparticles on Reduced Graphene Oxide (Pd@Pt/rGO) Using Microwaves: Applications in Dehalogenation Reactions and Reduction of Olefins. ACS Applied Materials & Interfaces, 2017, 9, 2815-2824.	4.0	67
20	Growth mechanism of strongly emitting CH3NH3PbBr3 perovskite nanocrystals with a tunable bandgap. Nature Communications, 2017, 8, 996.	5.8	210
21	Organic adsorbates have higher affinities to fluorographene than to graphene. Applied Materials Today, 2016, 5, 142-149.	2.3	43
22	Maghemite decorated with ultra-small palladium nanoparticles (Î³-Fe₂O₃â€“Pd): applications in the Heckâ€“Mizoroki olefination, Suzuki reaction and allylic oxidation of alkenes. Green Chemistry, 2016, 18, 2363-2373.	4.6	87
23	Endogenous Abscisic Acid Promotes Hypocotyl Growth and Affects Endoreduplication during Dark-Induced Growth in Tomato (Solanum lycopersicum L.). PLoS ONE, 2015, 10, e0117793.	1.1	21