Murat Kilic

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2993145/publications.pdf

Version: 2024-02-01

22 papers	517 citations	840776 11 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	721 citing authors

#	Article	IF	Citations
1	Bismuthene as a versatile photocatalyst operating under variable conditions for the photoredox C H bond functionalization. Applied Catalysis B: Environmental, 2022, 304, 120957.	20.2	20
2	Atom-by-Atom Synthesis of Multiatom-Supported Catalytic Clusters by Liquid-Phase Atomic Layer Deposition. ACS Sustainable Chemistry and Engineering, 2022, 10, 3455-3465.	6.7	3
3	Enhanced hydrogen evolution by using ternary nanocomposites of mesoporous carbon nitride/black phosphorous/transition metal nanoparticles (m-gCN/BP-M; MÂ=ÂCo, Ni, and Cu) as photocatalysts under visible light: A comparative experimental and theoretical study. Applied Surface Science, 2022, 593, 153398.	6.1	12
4	When Does Fusing Two Rings Not Yield a Larger Ring? The Curious Case of BOPHY. Journal of Organic Chemistry, 2021, 86, 4547-4556.	3.2	4
5	Essential role of oxygen vacancies of Cu-Al and Co-Al spinel oxides in their catalytic activity for the reverse water gas shift reaction. Applied Catalysis B: Environmental, 2020, 266, 118669.	20.2	56
6	Microscopic Picture of the Solvent Reorganization During Electron Transfer to Flavin in Water. Journal of Physical Chemistry B, 2019, 123, 9751-9761.	2.6	5
7	Cuâ€“Al Spinel as a Highly Active and Stable Catalyst for the Reverse Water Gas Shift Reaction. ACS Catalysis, 2019, 9, 6243-6251.	11.2	76
8	NH3 as simple clathrate-hydrate catalyst: Experiment and theory. Journal of Chemical Physics, 2018, 148, 234501.	3.0	9
9	Photocatalytic Performance of Anion Doped TiO2 on the Degradation of Complex Organic Matrix. Journal of Advanced Oxidation Technologies, 2016, 19, .	0.5	3
10	Acidity constants of lumiflavin from first principles molecular dynamics simulations. Physical Chemistry Chemical Physics, 2014, 16, 18993-19000.	2.8	13
11	First and Second One-Electron Reduction of Lumiflavin in Waterâ€”AÂFirst Principles Molecular Dynamics Study. Journal of Chemical Theory and Computation, 2013, 9, 3889-3899.	5.3	18
12	The Role of Non-Metal Doping in TiO2 Photocatalysis. Journal of Advanced Oxidation Technologies, 2010, 13, .	0.5	16
13	Fe+3-doped TiO2: A combined experimental and computational approach to the evaluation of visible light activity. Applied Catalysis B: Environmental, 2010, 99, 469-477.	20.2	166
14	Photocatalytic oxidation of dinitronaphthalenes: Theory and experiment. Chemosphere, 2009, 75, 1008-1014.	8.2	20
15	A Quantum Mechanical Approach to TiO2 Photocatalysis. Journal of Advanced Oxidation Technologies, 2009, 12, .	0.5	1
16	Hydroxyl radical reactions with 4-chlorophenol as a model for heterogeneous photocatalysis. Computational and Theoretical Chemistry, 2008, 851, 263-270.	1.5	26
17	Surface Modification of TiO2 with Ascorbic Acid for Heterogeneous Photocatalysis: Theory and Experiment. Journal of Advanced Oxidation Technologies, 2008, 11, .	0.5	4
18	Enhancement and Modeling of the Photocatalytic Degradation of Benzoic Acid. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	4

#	Article	IF	Citations
19	Reactivity Indices for ortho/para Monosubstituted Phenols. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	1
20	A model for prediction of product distributions for the reactions of phenol derivatives with hydroxyl radicals. Chemosphere, 2007, 69, 1396-1408.	8.2	42
21	Modeling of the Photocatalytic Degradation Reactions of Aromatic Pollutants: A Solvent Effect Model. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	0
22	Structures and mesomorphic properties of cyano-containing calamitic liquid crystal molecules. Computational and Theoretical Chemistry, 2007, 808, 53-61.	1.5	18