

Murat Kilic

List of Publications by Year in descending order

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papers

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721
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe ³⁺ -doped TiO ₂ : A combined experimental and computational approach to the evaluation of visible light activity. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 469-477.	20.2	166
2	Cu-Al Spinel as a Highly Active and Stable Catalyst for the Reverse Water Gas Shift Reaction. <i>ACS Catalysis</i> , 2019, 9, 6243-6251.	11.2	76
3	Essential role of oxygen vacancies of Cu-Al and Co-Al spinel oxides in their catalytic activity for the reverse water gas shift reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118669.	20.2	56
4	A model for prediction of product distributions for the reactions of phenol derivatives with hydroxyl radicals. <i>Chemosphere</i> , 2007, 69, 1396-1408.	8.2	42
5	Hydroxyl radical reactions with 4-chlorophenol as a model for heterogeneous photocatalysis. <i>Computational and Theoretical Chemistry</i> , 2008, 851, 263-270.	1.5	26
6	Photocatalytic oxidation of dinitronaphthalenes: Theory and experiment. <i>Chemosphere</i> , 2009, 75, 1008-1014.	8.2	20
7	Bismuthene as a versatile photocatalyst operating under variable conditions for the photoredox C-H bond functionalization. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120957.	20.2	20
8	Structures and mesomorphic properties of cyano-containing calamitic liquid crystal molecules. <i>Computational and Theoretical Chemistry</i> , 2007, 808, 53-61.	1.5	18
9	First and Second One-Electron Reduction of Lumiflavin in Water—First Principles Molecular Dynamics Study. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3889-3899.	5.3	18
10	The Role of Non-Metal Doping in TiO ₂ Photocatalysis. <i>Journal of Advanced Oxidation Technologies</i> , 2010, 13, .	0.5	16
11	Acidity constants of lumiflavin from first principles molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18993-19000.	2.8	13
12	Enhanced hydrogen evolution by using ternary nanocomposites of mesoporous carbon nitride/black phosphorous/transition metal nanoparticles (m-gCN/BP-M; M=Co, Ni, and Cu) as photocatalysts under visible light: A comparative experimental and theoretical study. <i>Applied Surface Science</i> , 2022, 593, 153398.	6.1	12
13	NH ₃ as simple clathrate-hydrate catalyst: Experiment and theory. <i>Journal of Chemical Physics</i> , 2018, 148, 234501.	3.0	9
14	Microscopic Picture of the Solvent Reorganization During Electron Transfer to Flavin in Water. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9751-9761.	2.6	5
15	Enhancement and Modeling of the Photocatalytic Degradation of Benzoic Acid. <i>Journal of Advanced Oxidation Technologies</i> , 2007, 10, .	0.5	4
16	Surface Modification of TiO ₂ with Ascorbic Acid for Heterogeneous Photocatalysis: Theory and Experiment. <i>Journal of Advanced Oxidation Technologies</i> , 2008, 11, .	0.5	4
17	When Does Fusing Two Rings Not Yield a Larger Ring? The Curious Case of BOPHY. <i>Journal of Organic Chemistry</i> , 2021, 86, 4547-4556.	3.2	4
18	Photocatalytic Performance of Anion Doped TiO ₂ on the Degradation of Complex Organic Matrix. <i>Journal of Advanced Oxidation Technologies</i> , 2016, 19, .	0.5	3

#	ARTICLE	IF	CITATIONS
19	Atom-by-Atom Synthesis of Multiatom-Supported Catalytic Clusters by Liquid-Phase Atomic Layer Deposition. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3455-3465.	6.7	3
20	Reactivity Indices for ortho/para Monosubstituted Phenols. <i>Journal of Advanced Oxidation Technologies</i> , 2007, 10, .	0.5	1
21	A Quantum Mechanical Approach to TiO ₂ Photocatalysis. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	1
22	Modeling of the Photocatalytic Degradation Reactions of Aromatic Pollutants: A Solvent Effect Model. <i>Journal of Advanced Oxidation Technologies</i> , 2007, 10, .	0.5	0