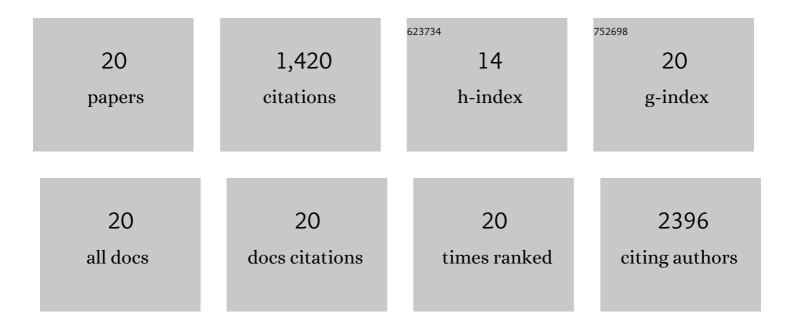
Ujjal Das

List of Publications by Year in descending order

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Πηνι Πας

#	Article	IF	CITATIONS
1	Development of activity–descriptor relationships for supported metal ion hydrogenation catalysts on silica. Polyhedron, 2018, 152, 73-83.	2.2	11
2	Single-site zinc on silica catalysts for propylene hydrogenation and propane dehydrogenation: Synthesis and reactivity evaluation using an integrated atomic layer deposition-catalysis instrument. Journal of Catalysis, 2017, 345, 170-182.	6.2	76
3	Supported Aluminum Catalysts for Olefin Hydrogenation. ACS Catalysis, 2017, 7, 689-694.	11.2	25
4	Organometallic model complexes elucidate the active gallium species in alkane dehydrogenation catalysts based on ligand effects in Ga K-edge XANES. Catalysis Science and Technology, 2016, 6, 6339-6353.	4.1	90
5	Role of Manganese Deposition on Graphite in the Capacity Fading of Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 14244-14251.	8.0	71
6	Effect of Siloxane Ring Strain and Cation Charge Density on the Formation of Coordinately Unsaturated Metal Sites on Silica: Insights from Density Functional Theory (DFT) Studies. ACS Catalysis, 2015, 5, 7177-7185.	11.2	38
7	Selective propane dehydrogenation with single-site Coll on SiO2 by a non-redox mechanism. Journal of Catalysis, 2015, 322, 24-37.	6.2	168
8	Propylene Hydrogenation and Propane Dehydrogenation by a Single-Site Zn ²⁺ on Silica Catalyst. ACS Catalysis, 2014, 4, 1091-1098.	11.2	230
9	Structure and Stability of Lithium Superoxide Clusters and Relevance to Li–O ₂ Batteries. Journal of Physical Chemistry Letters, 2014, 5, 813-819.	4.6	74
10	Raman Evidence for Late Stage Disproportionation in a Li–O ₂ Battery. Journal of Physical Chemistry Letters, 2014, 5, 2705-2710.	4.6	144
11	A nanostructured cathode architecture for low charge overpotential in lithium-oxygen batteries. Nature Communications, 2013, 4, 2383.	12.8	379
12	Analysis of Hydroxide Sorbents for CO ₂ Capture from Warm Syngas. Industrial & Engineering Chemistry Research, 2012, 51, 13473-13481.	3.7	15
13	Predicting PH vibrations of gas phase molecules and surfaceâ€adsorbed species using bond lengthâ€frequency correlations. Journal of Computational Chemistry, 2009, 30, 1872-1881.	3.3	4
14	Interaction of Lewis Acids with Si(100)-2×1 and Ge(100)-2×1 Surfaces. Journal of Physical Chemistry C, 2009, 113, 10146-10150.	3.1	8
15	Al5O4: A Superatom with Potential for New Materials Design. Journal of Chemical Theory and Computation, 2008, 4, 2011-2019.	5.3	14
16	Interaction of water, methanol, and ammonia with AlxOyâ^': A comparative theoretical study of Al5O4â^' versus Al3O3â^'. Journal of Chemical Physics, 2007, 127, 154310.	3.0	5
17	Phosphine Adsorption on the In-Rich InP(001) Surface:  Evidence of Surface Dative Bonds at Room Temperature. Langmuir, 2007, 23, 10109-10115.	3.5	7
18	Al–H bond formation in hydrated aluminum oxide cluster anions. Journal of Chemical Physics, 2006, 124, 021101.	3.0	17

#	Article	IF	CITATIONS
19	Addition of NH3 to Al3O3â^'. Journal of Chemical Physics, 2006, 124, 201101.	3.0	7
20	Addition of water to Al5O4â^' determined by anion photoelectron spectroscopy and quantum chemical calculations. Journal of Chemical Physics, 2005, 122, 014313.	3.0	37