Klaus StÃ¶we

List of Publications by Year
in descending order

16 papers	180 citations	1307594 7 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	264 citing authors

#	Article	IF	Citations
1	A search for alternative Deacon catalysts. Applied Catalysis B: Environmental, 2013, 132-133, 389-400.	20.2	40
2	Infrared Thermography as a High-Throughput Tool in Catalysis Research. ACS Combinatorial Science, 2012, 14, 295-303.	3.8	33
3	Soot-catalyst contact studies in combustion processes using nano-scaled ceria as test material. Catalysis Today, 2011, 159, 100-107.	4.4	32
4	High-Throughput Screening Approach to Identify New Catalysts for Total Oxidation of Methane from Gas Fueled Lean Burn Engines. Topics in Catalysis, 2016, 59, 1071-1075.	2.8	11
5	High-throughput technology for novel SO₂oxidation catalysts. Science and Technology of Advanced Materials, 2011, 12, 054101.	6.1	10
6	MicroJet Reactor Technology: An Automated, Continuous Approach for Nanoparticle Syntheses. Chemical Engineering and Technology, 2019, 42, 2018-2027.	1.5	9
7	Synthesis and Characterization of Bismuth-Cerium Oxides for the Catalytic Oxidation of Diesel Soot. Materials, 2020, 13, 1369.	2.9	9
8	Cobalt based emission control catalysts with high resistance towards halide poisoning. Applied Catalysis B: Environmental, 2012, 117-118, 397-405.	20.2	7
9	Corrosionâ€Resistant Parallel Fixedâ€Bed Reactors for Highâ€Throughput Screening of New Deacon Reaction Catalysts. Chemical Engineering and Technology, 2014, 37, 1251-1260.	1.5	7
10	Niobium, Tantalum, and Tungsten Doped Tin Dioxides as Potential Support Materials for Fuel Cell Catalyst Applications. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1470-1480.	1.2	7
11	A High-Throughput Screening Approach to Identify New Active and Long-Term Stable Catalysts for Total Oxidation of Methane from Gas-Fueled Leanâ€“Burn Engines. Catalysts, 2020, 10, 159.	3.5	4
12	QuaternÃre Metall/Metalloxidâ€Katalysatoren als Wandkatalysatoren in Mikroreaktoren fÃ¼r Powerâ€toâ€Gasâ€Applikationen mittels kombinatorischer Hochdurchsatzmethoden. Chemie-Ingenieur-Technik, 2019, 91, 607-613.	0.8	3
13	Development of A Novel High Throughput Photo-catalyst Screening Procedure: UV-A Degradation of 17Î±-Ethinylestradiol with Doped TiO2-Based Photo-catalysts. Materials, 2020, 13, 1365.	2.9	3
14	Reaction Analyses Based on Quaternary Metal/Metal Oxide Catalyst Testing in Micro-Structured Reactors Using Combinatorial High-Throughput Methods for Power-to-Gas Applications. Catalysts, 2021, 11, 6.	3.5	2
15	Development of a Novel Microgap Reactor System for the Photocatalytic Degradation of Micropollutants from Aqueous Solutions with TiO2-Based Photocatalysts Immobilized by Spray Coating. Catalysts, 2021, 11, 1351.	3.5	2
16	Preparation of Ceriumâ€Bismuth Oxide Catalysts for Diesel Soot Oxidation Including Evaluation of an Automated Sootâ€Catalyst Contact Mode. ChemistryOpen, 2022, 11, e202100282.	1.9	1