Xing Fu

List of Publications by Year in descending order

23 papers	1,883 citations	516215 16 h-index	642321 23 g-index
24 all docs	24 docs citations	24 times ranked	1765 citing authors

#	Article	IF	Citations
1	Optical vortices 30 years on: OAM manipulation from topological charge to multiple singularities. Light: Science and Applications, 2019, 8, 90.	7.7	1,151
2	Insights into the Kinetics and Reaction Network of Aluminum Chloride-Catalyzed Conversion of Glucose in NaClâ€“H₂O/THF Biphasic System. ACS Catalysis, 2017, 7, 256-266.	5.5	133
3	Controlling the Reaction Networks for Efficient Conversion of Glucose into 5â€Hydroxymethylfurfural. ChemSusChem, 2020, 13, 4812-4832.	3.6	73
4	Sulfonated polyaniline as a solid organocatalyst for dehydration of fructose into 5-hydroxymethylfurfural. Green Chemistry, 2017, 19, 1932-1939.	4.6	64
5	Suppression of oligomer formation in glucose dehydration by CO₂ and tetrahydrofuran. Green Chemistry, 2017, 19, 3334-3343.	4.6	55
6	Towards Shell Biorefinery: Advances in Chemicalâ€Catalytic Conversion of Chitin Biomass to Organonitrogen Chemicals. ChemSusChem, 2020, 13, 6498-6508.	3.6	53
7	SU(2) PoincarÃ© sphere: A generalized representation for multidimensional structured light. Physical Review A, 2020, 102, .	1.0	51
8	Solvent Effects on Degradative Condensation Side Reactions of Fructose in Its Initial Conversion to 5â€Hydroxymethylfurfural. ChemSusChem, 2020, 13, 501-512.	3.6	46
9	Divergence-degenerate spatial multiplexing towards future ultrahigh capacity, low error-rate optical communications. Light: Science and Applications, 2022, 11, 144.	7.7	45
10	Hardy spaces H p over non-homogeneous metric measure spaces and their applications. Science China Mathematics, 2015, 58, 309-388.	0.8	35
11	Index-Tunable Structured-Light Beams from a Laser with an Intracavity Astigmatic Mode Converter. Physical Review Applied, 2020, 14, .	1.5	29
12	Deep-learning-based recognition of multi-singularity structured light. Nanophotonics, 2022, 11, 779-786.	2.9	29
13	Products of Functions in $$mathrm {BMO}({mathcal X})$$ BMO (X) and $$H^1_mathrm{at}({mathcal X})$$ H at 1 (X) via Wavelets Over Spaces of Homogeneous Type. Journal of Fourier Analysis and Applications, 2017, 23, 919-990.	0.5	23
14	Identification and structural characterization of oligomers formed from the pyrolysis of biomass. Journal of Analytical and Applied Pyrolysis, 2019, 144, 104696.	2.6	22
15	Oneâ€Pot Deoxygenation of Fructose to Furfuryl Alcohol by Sequential Dehydration and Decarbonylation. ChemCatChem, 2016, 8, 1379-1385.	1.8	16
16	Effect of Heating Rate on Yields and Distribution of Oil Products from the Pyrolysis of Pubescen. Energy Technology, 2018, 6, 366-378.	1.8	16
17	One-Pot Synthesis of 2,5-Diformylfuran from Fructose by Bifunctional Polyaniline-Supported Heteropolyacid Hybrid Catalysts. Catalysts, 2019, 9, 445.	1.6	14
18	Single-Photon Detection Approach for Autonomous Vehicles Sensing. IEEE Transactions on Vehicular Technology, 2020, 69, 6067-6078.	3.9	11

#	Article	IF	Citations
19	Insights into the NaCl-Induced Formation of Soluble Humins during Fructose Dehydration to 5-Hydroxymethylfurfural. Industrial & Engineering Chemistry Research, 2022, 61, 5786-5796.	1.8	9
20	Solvent Effects on Degradative Condensation Side Reactions of Fructose in Its Initial Conversion to 5â€Hydroxymethylfurfural. ChemSusChem, 2020, 13, 438-438.	3.6	4
21	Endpoint estimates of generalized homogeneous Littlewoodâ€“Paley g-functions over non-homogeneous metric measure spaces. Acta Mathematica Sinica, English Series, 2016, 32, 1035-1074.	0.2	2
22	Relationship between plant species diversity and patch characteristics in a marsh in the Sangjiang Plain, China-Using Yaluhe farm as an example. Progress in Natural Science: Materials International, 2007, 17, 664-669.	1.8	1
23	Spatiotemporal characterization of laser pulse amplification in double-pass active mirror geometry. High Power Laser Science and Engineering, 2020, 8, .	2.0	1