

Fan Xu

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,017
citations

567281

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414414

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docs citations

33
times ranked

5017
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Noble Metal-based Carbon Composites in Hydrogen Evolution Reaction: Fundamentals to Applications. <i>Advanced Materials</i> , 2017, 29, 1605838.	21.0	1,199
2	Inspired by bread leavening: one-pot synthesis of hierarchically porous carbon for supercapacitors. <i>Green Chemistry</i> , 2015, 17, 4053-4060.	9.0	397
3	In Situ-Generated Co ⁰ -Co ₃ O ₄ /N-Doped Carbon Nanotubes Hybrids as Efficient and Chemoselective Catalysts for Hydrogenation of Nitroarenes. <i>ACS Catalysis</i> , 2015, 5, 4783-4789.	11.2	363
4	Nitrogen-doped porous carbon materials: promising catalysts or catalyst supports for heterogeneous hydrogenation and oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 3670-3693.	4.1	257
5	Fe incorporated γ -Co(OH) ₂ nanosheets with remarkably improved activity towards the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1078-1084.	10.3	225
6	RuPd Alloy Nanoparticles Supported on N-Doped Carbon as an Efficient and Stable Catalyst for Benzoic Acid Hydrogenation. <i>ACS Catalysis</i> , 2015, 5, 3100-3107.	11.2	136
7	Mechanisms underlying the regional morphological differences between the northern and southern radial sand ridges along the Jiangsu Coast, China. <i>Marine Geology</i> , 2016, 371, 1-17.	2.1	61
8	Acid Induced Self-Assembly Strategy to Synthesize Ordered Mesoporous Carbons from Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4473-4479.	6.7	48
9	Topographic mapping on large-scale tidal flats with an iterative approach on the waterline method. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 190, 11-22.	2.1	44
10	Hydrothermal synthesis of manganese oxide encapsulated multiporous carbon nanofibers for supercapacitors. <i>Nano Research</i> , 2016, 9, 2672-2680.	10.4	41
11	Enzymatic synthesis of optical pure β -nitroalcohols by combining d-aminoacylase-catalyzed nitroaldol reaction and immobilized lipase PS-catalyzed kinetic resolution. <i>Green Chemistry</i> , 2011, 13, 2359.	9.0	39
12	The Role of Collapsed Bank Soil on Tidal Channel Evolution: A Process-Based Model Involving Bank Collapse and Sediment Dynamics. <i>Water Resources Research</i> , 2019, 55, 9051-9071.	4.2	20
13	A Single Lipase-Catalysed One-Pot Protocol Combining Aminolysis Resolution and Azide-Michael Addition: An Easy and Efficient Way to Synthesize β -Amino Acid Esters. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5393-5401.	2.4	18
14	A Review on Bank Retreat: Mechanisms, Observations, and Modeling. <i>Reviews of Geophysics</i> , 2022, 60, .	23.0	18
15	Laboratory Experiments of Bank Collapse: The Role of Bank Height and Near-Bank Water Depth. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005281.	2.8	17
16	A Morphodynamic Modeling Study on the Formation of the Large-Scale Radial Sand Ridges in the Southern Yellow Sea. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 1742-1761.	2.8	16
17	One-pot bienzymatic cascade combining decarboxylative aldol reaction and kinetic resolution to synthesize chiral β -hydroxy ketone derivatives. <i>RSC Advances</i> , 2016, 6, 76829-76837.	3.6	15
18	On the Morphodynamic Equilibrium of a Short Tidal Channel. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 639-665.	2.8	15

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19	Candida antarctica lipase B-catalyzed synthesis of polyesters: starting from ketones via a tandem BVO/ROP process. RSC Advances, 2014, 4, 8533.	3.6	14
20	A numerical study of equilibrium states in tidal network morphodynamics. Ocean Dynamics, 2017, 67, 1593-1607.	2.2	14
21	The role of a remote tropical cyclone in sediment resuspension over the subaqueous delta front in the Changjiang Estuary, China. Geomorphology, 2021, 377, 107564.	2.6	8
22	A Universal Form of Power Law Relationships for River and Stream Channels. Geophysical Research Letters, 2020, 47, e2020GL090493.	4.0	7
23	Simulating the impacts of land reclamation and de-reclamation on the morphodynamics of tidal networks. Anthropocene Coasts, 2020, 3, 30-42.	1.5	7
24	Morphodynamic adaptation of a tidal basin to centennial sea-level rise: The importance of lateral expansion. Continental Shelf Research, 2021, 226, 104494.	1.8	7
25	Saltmarsh Expansion in Response to Morphodynamic Evolution: Field Observations in the Jiangsu Coast using UAV. Journal of Coastal Research, 2020, 95, 433.	0.3	6
26	Simulating the role of tides and sediment characteristics on tidal flat sorting and bedding dynamics. Earth Surface Processes and Landforms, 2021, 46, 2163-2176.	2.5	5
27	Rationalizing the Differences Among Hydraulic Relationships Using a Process-Based Model. Water Resources Research, 2021, 57, e2020WR029430.	4.2	5
28	Reclamation of Tidal Flats Within Tidal Basins Alters Centennial Morphodynamic Adaptation to Sea-Level Rise. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	2.8	5
29	Field Observation of Saltmarsh-Edge Morphology and Associated Vegetation Characteristics in an Open-Coast Tidal Flat. Journal of Coastal Research, 2020, 95, 412.	0.3	3
30	The Variations of Sediment Transport Patterns in the Radial Sand Ridges along the Jiangsu Coast, China over the Last 30 Years. Journal of Coastal Research, 2018, 85, 216-220.	0.3	2
31	One Pot Enzyme-Catalyzed Cascade Benefit Systems. Mini-Reviews in Organic Chemistry, 2021, 18, 282-295.	1.3	2
32	EFFECT OF LARGE SCALE TIDAL FLAT RECLAMATION ON HYDRODYNAMIC CIRCULATION IN JIANGSU COASTAL AREAS. , 2011, , 662-669.		2
33	3-D Simulation of the Suspended Sediment Transport in the Jiao jiang Estuary: Based on Validating by Remote Sensing Retrieval. Journal of Coastal Research, 2018, 85, 116-120.	0.3	1