

Dan Wu

List of Publications by Year in descending order

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36
papers

746
citations

623734

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docs citations

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936
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#	ARTICLE	IF	CITATIONS
1	Stoichiometric methane conversion to ethane using photochemical looping at ambient temperature. <i>Nature Energy</i> , 2020, 5, 511-519.	39.5	130
2	Dual Metal-Brønsted Acid Pd-Br Catalyst for Selective Hydrodeoxygenation of 5-Hydroxymethylfurfural (HMF) to 2,5-Dimethylfuran at Ambient Temperature. <i>ACS Catalysis</i> , 2021, 11, 19-30.	11.2	65
3	In Situ Generation of Brønsted Acidity in the Pd-I Bifunctional Catalysts for Selective Reductive Etherification of Carbonyl Compounds under Mild Conditions. <i>ACS Catalysis</i> , 2019, 9, 2940-2948.	11.2	53
4	Lignin Compounds to Monoaromatics: Selective Cleavage of C-O Bonds over a Brominated Ruthenium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12513-12523.	13.8	53
5	Surface molecular imprinting over supported metal catalysts for size-dependent selective hydrogenation reactions. <i>Nature Catalysis</i> , 2021, 4, 595-606.	34.4	52
6	Improved chemical exchange saturation transfer imaging with real-time frequency drift correction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2915-2923.	3.0	32
7	Facile one-pot solvent-free synthesis of hierarchical ZSM-5 for methanol to gasoline conversion. <i>RSC Advances</i> , 2016, 6, 15816-15820.	3.6	30
8	Solvent-Free Synthesis of c-axis Oriented ZSM-5 Crystals with Enhanced Methanol to Gasoline Catalytic Activity. <i>ChemCatChem</i> , 2016, 8, 3317-3322.	3.7	29
9	Canonical Wnt signaling regulates patterning, differentiation and neurogenesis in mouse hypothalamus and prethalamus. <i>Developmental Biology</i> , 2018, 442, 236-248.	2.0	29
10	Mapping the order and pattern of brain structural MRI changes using change-point analysis in premanifest Huntington's disease. <i>Human Brain Mapping</i> , 2017, 38, 5035-5050.	3.6	28
11	Direct aerobic oxidation of monoalcohol and diols to acetals using tandem Ru@MOF catalysts. <i>Nano Research</i> , 2021, 14, 479-485.	10.4	27
12	Morphology-Controlled Synthesis of H-type MFI Zeolites with Unique Stacked Structures through a One-Pot Solvent-Free Strategy. <i>ChemSusChem</i> , 2019, 12, 3871-3877.	6.8	23
13	Diffusion-prepared 3D gradient spin-echo sequence for improved oscillating gradient diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 78-88.	3.0	17
14	Frequency-stabilized chemical exchange saturation transfer imaging with real-time free induction decay readout. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1322-1334.	3.0	17
15	Evidence of the diffusion time dependence of intravoxel incoherent motion in the brain. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2225-2235.	3.0	15
16	Time-Dependent Diffusion MRI for Quantitative Microstructural Mapping of Prostate Cancer. <i>Radiology</i> , 2022, 303, 578-587.	7.3	15
17	Multi-atlas based detection and localization (MADL) for location-dependent quantification of white matter hyperintensities. <i>NeuroImage: Clinical</i> , 2019, 22, 101772.	2.7	13
18	Non-metallic Aerobic Oxidation of Alcohols over Anthraquinone Based Compounds. <i>Applied Catalysis A: General</i> , 2020, 590, 117277.	4.3	13

#	ARTICLE	IF	CITATIONS
19	Developmental pattern of the cortical topology in <sc>high-functioning</sc> individuals with autism spectrum disorder. <i>Human Brain Mapping</i> , 2021, 42, 660-675.	3.6	12
20	In vivo assessment of the placental anatomy and perfusion in a mouse model of intrauterine inflammation. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1260-1267.	3.4	10
21	Lignin Compounds to Monoaromatics: Selective Cleavage of C=O Bonds over a Brominated Ruthenium Catalyst. <i>Angewandte Chemie</i> , 2021, 133, 12621-12631.	2.0	10
22	Dynamic glucose enhanced MRI of the placenta in a mouse model of intrauterine inflammation. <i>Placenta</i> , 2018, 69, 86-91.	1.5	9
23	Embryonic zeolites for highly efficient synthesis of dimethyl ether from syngas. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111138.	4.4	9
24	Time-dependent diffusion MRI probes cerebellar microstructural alterations in a mouse model of Down syndrome. <i>Brain Communications</i> , 2021, 3, fcab062.	3.3	8
25	Microstructural profiles of thalamus and thalamocortical connectivity in patients with disorder of consciousness. <i>Journal of Neuroscience Research</i> , 2021, 99, 3261-3273.	2.9	7
26	Surface modification of metallic catalysts for the design of selective processes. <i>Catalysis Reviews - Science and Engineering</i> , 0, , 1-47.	12.9	6
27	Diffusion MRI revealed altered inter-hippocampal projections in the mouse brain after intrauterine inflammation. <i>Brain Imaging and Behavior</i> , 2020, 14, 383-395.	2.1	5
28	Probing the ballistic microcirculation in placenta using flow-compensated and non-compensated intravoxel incoherent motion imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 404-412.	3.0	5
29	Altered Functional Connectivity of Hippocampal Subfields in <sc>Poststroke</sc> Dementia. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1337-1348.	3.4	4
30	Diffusion <sc>MRI</sc> Based Myometrium Tractography for Detection of Placenta Accreta Spectrum Disorder. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 255-264.	3.4	4
31	A diffusion MRI-based spatiotemporal continuum of the embryonic mouse brain for probing gene-neuroanatomy connections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	4
32	Structural and Functional Deficits in Patients with Poststroke Dementia: A Multimodal MRI Study. <i>Neural Plasticity</i> , 2021, 2021, 1-11.	2.2	3
33	Saturation-prolongated and inhomogeneity-mitigated chemical exchange saturation transfer imaging with parallel transmission. <i>NMR in Biomedicine</i> , 2022, , e4689.	2.8	3
34	Brain Developmental Differences Between Preterm-born Twins and Singletons: A Multi-modal MRI Study. <i>Journal of Pediatric Research</i> , 2021, 8, 276-285.	0.2	2
35	Detecting abnormal placental microvascular flow in maternal and fetal diseases based on flow-compensated and non-compensated intravoxel incoherent motion imaging. <i>Placenta</i> , 2022, 119, 17-23.	1.5	2
36	Alkyl coupling in tertiary amines as analog of Guerbet condensation reaction. <i>RSC Advances</i> , 2019, 9, 9845-9849.	3.6	0