Zhengmao Ye

List of Publications by Year
in descending order

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Version: 2024-02-01

52	792	623734	552781
papers	citations	14 h-index	26 g-index

52	52	52	779
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Eco-Friendly Acid Leaching Strategy for Dealkalization of Red Mud by Controlling Phase Transformation. Materials, 2022, 15, 580.	2.9	5
2	Elevated-temperature bio-ethanol-assisted water electrolysis for efficient hydrogen production. Chemical Engineering Journal, 2022, 434, 134699.	12.7	21
3	Robust Joule-heating ceramic reactors for catalytic CO oxidation. Journal of Advanced Ceramics, 2022, 11, 1163-1171.	17.4	8
4	Enhancement of angucycline production by combined UV mutagenesis and ribosome engineering and fermentation optimization in Streptomyces dengpaensis XZHG99^T. Preparative Biochemistry and Biotechnology, 2021, 51, 173-182.	1.9	7
5	Robust Anodeâ€Supported Cells with Fast Oxygen Release Channels for Efficient and Stable CO₂ Electrolysis at Ultrahigh Current Densities. Small, 2021, 17, e2007211.	10.0	13
6	Rational Design of a Nd 3+ â€Mn 4+ Coâ€doped Luminescent Thermometer: Towards Highâ€Sensitivity Temperature Sensing. ChemPhotoChem, 2021, 5, 455-465.	3.0	3
7	Unraveling the valence states of manganese ions and the effects of composition variation and post-processing in YGG1--LuGG :Mn garnet optical sensor. Chemical Engineering Journal, 2021, 411, 128448.	12.7	9
8	Study on the hydration properties of two polymorphs of Sr4Al6SO16. Ceramics International, 2021, 47, 13820-13826.	4.8	2
9	Exploiting novel optical thermometry near room temperature with a combination of phase-change host and luminescent Pr3+ ion. Chemical Engineering Journal, 2021, 414, 128884.	12.7	17
10	Pyomelanin produced by Streptomyces sp. ZL-24 and its protective effects against SH-SY5Y cells injury induced by hydrogen peroxide. Scientific Reports, 2021, 11, 16649.	3.3	2
11	Enhancing the Photoluminescence Property of Pr³⁺ Ions by Understanding the Polymorphous Influence of the K₃Lu(PO₄)₂ Host. Inorganic Chemistry, 2021, 60, 14978-14987.	4.0	5
12	Structural analysis and phase transformation of doped strontium sulfoaluminate. Journal of Alloys and Compounds, 2021, 877, 160154.	5.5	2
13	Autothermal reforming of methane over an integrated solid oxide fuel cell reactor for power and syngas co-generation. Journal of Power Sources, 2021, 513, 230536.	7.8	28
14	A microchannel reactor-integrated ceramic fuel cell with dual-coupling effect for efficient power and syngas co-generation from methane. Applied Catalysis B: Environmental, 2021, 297, 120443.	20.2	25
15	Improving the cracking resistance of mortar by reduced graphene oxide. Construction and Building Materials, 2021, 310, 125150.	7.2	4
16	Streptomyces tibetensis sp. nov., an actinomycete isolated from the Tibetan Plateau. Antonie Van Leeuwenhoek, 2020, 113, 33-41.	1.7	3
17	Study on the hydration product of ettringite in cement paste with ethanol-diisopropanolamine. Journal of Thermal Analysis and Calorimetry, 2020, 139, 1007-1016.	3.6	14
18	Studying crystal-field splitting difference of Eu3+ ions from orthorhombic to cubic Ca4Al6SO16. Ceramics International, 2020, 46, 5998-6005.	4.8	2

#	Article	IF	Citations
19	Synthesis, crystal structure and photoluminescence properties of novel Ba3Lu4O9:Ce3+ orange-red phosphors for white light emitting diodes. Journal of Alloys and Compounds, 2020, 819, 153047.	5.5	13
20	Exploring impurity phases derived from the introduction of vanadium ions in yttrium gallium garnet. Ceramics International, 2020, 46, 25996-26003.	4.8	2
21	Optimization of Cathode Functional Layers of Solid Oxide Electrolysis Cells. ACS Applied Materials & Interfaces, 2020, 12, 40917-40924.	8.0	5
22	Comprehensive evaluation of formation kinetics in preparation of ternesite from different polymorphs of Ca2SiO4. Journal of Solid State Chemistry, 2020, 292, 121725.	2.9	8
23	From graphene oxide to reduced graphene oxide: Enhanced hydration and compressive strength of cement composites. Construction and Building Materials, 2020, 248, 118699.	7.2	47
24	Enhanced Dispersion of Graphene Oxide in Cement Matrix with Isolated-Dispersion Strategy. Industrial & Engineering Chemistry Research, 2020, 59, 10221-10228.	3.7	14
25	Site engineering of Ce3+-doped calcium scandate phosphors and understanding of relevant red-shifted emitting from green to yellow. Ceramics International, 2020, 46, 20004-20011.	4.8	3
26	Efficient conversion of methane into power via microchanneled solid oxide fuel cells. Journal of Power Sources, 2020, 453, 227848.	7.8	11
27	A promising temperature sensing strategy based on highly sensitive Pr3+-doped SrRE2O4 (REÂ=ÂSc, Lu and) Tj ETQq1 1 0.784314 rgBT	12.7	21
28	Importance of the synergistic effects between cobalt sulfate and tetrahydrofuran for selective production of 5-hydroxymethylfurfural from carbohydrates. Catalysis Science and Technology, 2020, 10, 2293-2302.	4.1	8
29	Introducing reduced graphene oxide to enhance the thermal properties of cement composites. Cement and Concrete Composites, 2020, 109, 103559.	10.7	58
30	Regulation of Fe3+-doped Sr4Al6SO16 crystalline structure. Journal of Solid State Chemistry, 2020, 288, 121415.	2.9	4
31	Influence of synthesis methods on ettringite dehydration. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2031-2038.	3.6	14
32	Effects of graphene oxide on the hydration behavior of yeâ€™elimite. Journal of Materials Science, 2019, 54, 12582-12591.	3.7	8
33	Design of graphene oxide by a oneâ€pot synthetic route for catalytic conversion of furfural alcohol to ethyl levulinate. Journal of Chemical Technology and Biotechnology, 2019, 94, 3093-3101.	3.2	14
34	High-Performance Pr³⁺-Doped Scandate Optical Thermometry: 200 K of Sensing Range with Relative Temperature Sensitivity above 2%Â·K^{â€“1}. ACS Applied Materials & Interfaces, 2019, 11, 42330-42338.	8.0	60
35	Trace detection of impurity phase in preparation of ye'elimite by Eu3+ fluorescence prober. Sensors and Actuators B: Chemical, 2019, 296, 126607.	7.8	4
36	Study on Nanofibrous Catalysts Prepared by Electrospinning for Methane Partial Oxidation. Catalysts, 2019, 9, 479.	3.5	8

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37	Essential microstructure of cathode functional layers of solid oxide electrolysis cells for CO2 electrolysis. Journal of CO2 Utilization, 2019, 32, 214-218.	6.8	19
38	Fast preparation of Ce3+-activated scandate for high-color- rendering warm white-light illumination by cation exchange. Journal of Luminescence, 2019, 212, 361-367.	3.1	4
39	Phase Identification of Î³- and Î²-Ca₂SiO₄ via the Rear-Earth Fluorescence Probe. Journal of Physical Chemistry C, 2019, 123, 13877-13884.	3.1	11
40	Exploring crystal-field splittings of Eu3+ ions in Î³- and Î²-SrGa2O4. Journal of Luminescence, 2019, 210, 155-163.	3.1	9
41	Facile one-pot synthesis of long-term thermally stable CDs@AlOOH toward white-light illumination. Journal of Materials Chemistry C, 2019, 7, 14717-14724.	5.5	9
42	The effect of gypsum on the hydration of aliteâ€“beliteâ€“ferrite phase system. Journal of Thermal Analysis and Calorimetry, 2019, 136, 717-724.	3.6	8
43	Catalytic CeO2 washcoat over microchanneled supporting cathodes of solid oxide electrolysis cells for efficient and stable CO2 reduction. Journal of Power Sources, 2019, 412, 344-349.	7.8	13
44	Facile Postâ€Synthesis of a Ce³⁺â€Doped Ca_xSr_{1â€x}Sc₂O₄ Phosphor by Means of Cation Exchange. ChemistrySelect, 2018, 3, 4387-4392.	1.5	6
45	A nanocatalyst network for electrochemical reduction of CO2 over microchanneled solid oxide electrolysis cells. Electrochemistry Communications, 2018, 86, 72-75.	4.7	11
46	Modulation of two ye'elimite phases via Ga3+ cation substitution. CrystEngComm, 2018, 20, 3755-3764.	2.6	10
47	Effect of NiO/YSZ cathode support pore structure on CO2 electrolysis via solid oxide electrolysis cells. Journal of the European Ceramic Society, 2018, 38, 5051-5057.	5.7	19
48	Electrochemical conversion of CO2 over microchanneled cathode supports of solid oxide electrolysis cells. Journal of CO2 Utilization, 2018, 26, 179-183.	6.8	4
49	Hierarchically ordered porous Ni-based cathode-supported solid oxide electrolysis cells for stable CO₂ electrolysis without safe gas. Journal of Materials Chemistry A, 2017, 5, 24098-24102.	10.3	35
50	Modified carbon fiber/magnetic graphene/epoxy composites with synergistic effect for electromagnetic interference shielding over broad frequency band. Journal of Colloid and Interface Science, 2017, 506, 217-226.	9.4	86
51	Effect of graphene nanoplatelets on hydration behaviour of Portland cement by thermal analysis. Advances in Cement Research, 2017, 29, 63-70.	1.6	42
52	Improved gas diffusion within microchanneled cathode supports of SOECs for steam electrolysis. International Journal of Hydrogen Energy, 2016, 41, 19829-19835.	7.1	34