

Yanjing Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6781929/publications.pdf>

Version: 2024-02-01

24
papers

666
citations

516710

16
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroless Plating of Highly Efficient Bifunctional Boride-Based Electrodes toward Practical Overall Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801372.	19.5	127
2	Effects of metal organic framework Fe-BTC on the thermal decomposition of ammonium perchlorate. <i>RSC Advances</i> , 2016, 6, 67308-67314.	3.6	67
3	Evaluation of graphene-ferrocene nanocomposite as multifunctional combustion catalyst in AP-HTPB propellant. <i>Fuel</i> , 2021, 302, 121229.	6.4	45
4	Catalytic Activity of Ferrates (NiFe_2O_4 , ZnFe_2O_4 and $\text{Tj ETQq0.00rgBT/Overlock Propellants, Explosives, Pyrotechnics}$, 2020, 45, 463-471.	1.6	44
5	Effect of $\text{rGO@Fe}_2\text{O}_3$ nanocomposites fabricated in different solvents on the thermal decomposition properties of ammonium perchlorate. <i>CrystEngComm</i> , 2018, 20, 7010-7019.	2.6	40
6	Enhanced thermal decomposition, laser ignition and combustion properties of NC/Al/RDX composite fibers fabricated by electrospinning. <i>Cellulose</i> , 2021, 28, 6089.	4.9	33
7	Morphology-dependent catalytic activity of Fe_2O_3 and its graphene-based nanocomposites on the thermal decomposition of AP. <i>FirePhysChem</i> , 2021, 1, 46-53.	3.4	30
8	Insight into graphene-salen metal nanocomposites on combustion performance and mechanism of HMX-CMDB propellant. <i>Chemical Engineering Journal</i> , 2022, 429, 132175.	12.7	27
9	Synthesis, characterization and catalytic behavior of MFe_2O_4 ($\text{M} = \text{Ni, Zn and Co}$) nanoparticles on the thermal decomposition of TKX-50. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1413-1423.	3.6	25
10	Reinforced combustion of the ZrH_2 -HMX-CMDB propellant: The critical role of hydrogen. <i>Chemical Engineering Journal</i> , 2020, 402, 126275.	12.7	24
11	Electroless Plating of Transition Metal Boride with High Boron Content as Superior HER Electrocatalyst. <i>ChemCatChem</i> , 2020, 12, 3068-3075.	3.7	23
12	Multifunctional $\text{Co@O@Co}_x\text{B}$ catalysts for efficient hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 380-390.	7.1	21
13	Catalytic Effects of $\text{rGO@MFe}_2\text{O}_4$ ($\text{M} = \text{Ni, Co, and Zn}$) Nanocomposites on the Thermal Decomposition Performance and Mechanism of Energetic FOX-7. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1673-1681.	2.5	20
14	Synergistic Coupling of Nickel Boride with Ru Cluster as a Highly Active Multifunctional Electrocatalyst for Overall Water Splitting and Glucose Electrolysis. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000184.	5.3	20
15	Hydrogen-enhanced combustion of a composite propellant with ZrH_2 as the fuel. <i>Combustion and Flame</i> , 2018, 187, 67-76.	5.2	19
16	On the combustion mechanisms of ZrH_2 in double-base propellant. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32597-32604.	2.8	16
17	Effects of metal-organic complex $\text{Ni}(\text{Salen})$ on thermal decomposition of 1,1-diamino-2,2-dinitroethylene (FOX-7). <i>RSC Advances</i> , 2020, 10, 1769-1775.	3.6	16
18	$\text{Li}(\text{NH}_3)_3\text{B}_3\text{H}_8$: a new ionic liquid octahydrotriborate. <i>Chemical Communications</i> , 2019, 55, 408-411.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Facile preparation and dehydrogenation of unsolvated KB_3H_8 . Chemical Communications, 2017, 53, 11083-11086.	4.1	13
20	Effect of novel graphene-based ferrocene nanocomposites on thermal decomposition of AP. Inorganica Chimica Acta, 2022, 530, 120672.	2.4	11
21	Developing a high-voltage electrolyte based on <i>conjuncto</i> -hydroborates for solid-state sodium batteries. Journal of Materials Chemistry A, 2022, 10, 7186-7194.	10.3	11
22	The effect of rGO-Fe ₂ O ₃ nanocomposites with spherical, hollow and fusiform microstructures on the thermal decomposition of TKX-50. Journal of Physics and Chemistry of Solids, 2021, 153, 109982.	4.0	7
23	Ignition and Combustion Behaviors of High Energetic Polyhedral Boron Cluster. Propellants, Explosives, Pyrotechnics, 2019, 44, 1319-1326.	1.6	6
24	Ferrocene functionalized graphene: preparation, characterization and application as an efficient catalyst for the thermal decomposition of TKX-50. Physical Chemistry Chemical Physics, 2021, 23, 17567-17575.	2.8	6