

# Peng Deng

## List of Publications by Year in descending order

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25  
papers

563  
citations

623734

14  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced the combustion performances of ammonium perchlorate-based energetic molecular perovskite using functionalized graphene. <i>Vacuum</i> , 2019, 169, 108882.	3.5	74
2	Thermal decomposition and combustion performance of high-energy ammonium perchlorate-based molecular perovskite. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154257.	5.5	59
3	Study of the thermal catalysis decomposition of ammonium perchlorate-based molecular perovskite with titanium carbide MXene. <i>Vacuum</i> , 2020, 180, 109572.	3.5	41
4	Ammonium perchlorate-based molecular perovskite energetic materials: preparation, characterization, and thermal catalysis performance with MoS <sub>2</sub> . <i>Journal of Energetic Materials</i> , 2020, 38, 162-169.	2.0	40
5	Two-steps synthesis of sandwich-like graphene oxide/LLM-105 nanoenergetic composites using functionalized graphene. <i>Materials Letters</i> , 2017, 194, 156-159.	2.6	36
6	Metal-doped (Fe, Nd, Ce, Zr, U) graphitic carbon nitride catalysts enhance thermal decomposition of ammonium perchlorate-based molecular perovskite. <i>Materials and Design</i> , 2021, 199, 109426.	7.0	36
7	The combustion behavior of boron particles by using molecular perovskite energetic materials as high-energy oxidants. <i>Combustion and Flame</i> , 2022, 241, 112118.	5.2	30
8	Enhanced thermal decomposition performance of sodium perchlorate by molecular assembly strategy. <i>Ionics</i> , 2020, 26, 1039-1044.	2.4	29
9	Insight into the thermal decomposition properties of potassium perchlorate (KClO <sub>4</sub> )-based molecular perovskite. <i>Vacuum</i> , 2020, 175, 109257.	3.5	25
10	Fabrication of three-dimensional TKX-50 network-like nanostructures by liquid nitrogen-assisted spray freeze-drying method. <i>Journal of Energetic Materials</i> , 2019, 37, 356-364.	2.0	24
11	The thermal catalytic effects of CoFe-Layered double hydroxide derivative on the molecular perovskite energetic material (DAP-4). <i>Vacuum</i> , 2021, 193, 110503.	3.5	22
12	Fabrication and Characterization of Nanoenergetic Hollow Spherical Hexanitrostibene (HNS) Derivatives. <i>Nanomaterials</i> , 2018, 8, 336.	4.1	20
13	A facile one-pot synthesis of monodisperse hollow hexanitrostilbene-piperazine compound microspheres. <i>Materials Letters</i> , 2018, 214, 45-49.	2.6	17
14	Laminated ammonium perchlorate-based composite prepared by ice-template freezing-induced assembly. <i>Journal of Materials Science</i> , 2021, 56, 2077-2087.	3.7	17
15	Nano dihydroxylammonium 5,5â€™-bistetrazole-1,1â€™-diolate (TKX-50) sensitized by the liquid medium evaporation-induced agglomeration self-assembly. <i>Journal of Energetic Materials</i> , 2020, 38, 253-260.	2.0	14
16	Synthesis of nitrogen-doped porous hollow carbon nanospheres with a high nitrogen content: A sustainable synthetic strategy using energetic precursors. <i>Science of the Total Environment</i> , 2020, 714, 136725.	8.0	14
17	One-pot hydrothermal synthesis of flower-like MnO <sub>2</sub> nanostructure with rich oxygen vacancy for catalysis thermal-induced pyrolysis of energetic molecular perovskite. <i>Vacuum</i> , 2022, 203, 111234.	3.5	12
18	Two-dimensional nanoscale MoS <sub>2</sub> for thermal catalysis of dihydroxylammonium-5,5â€²-bistetrazole-1,1â€²-diolate (TKX-50). <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3003-3008.	3.6	9

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19	The effects of TiH <sub>2</sub> on the thermal decomposition performances of ammonium perchlorate-based molecular perovskite (DAP-4). <i>Journal of Energetic Materials</i> , 2023, 41, 86-98.	2.0	9
20	Thermal decomposition effect of MgCo <sub>2</sub> O <sub>4</sub> nanosheets on ammonium perchlorate-based energetic molecular perovskites. <i>Defence Technology</i> , 2023, 20, 111-119.	4.2	8
21	Thermal kinetics, thermodynamics, decomposition mechanism, and thermal safety performance of typical ammonium perchlorate-based molecular perovskite energetic materials. <i>Canadian Journal of Chemistry</i> , 2022, 100, 328-337.	1.1	7
22	Sandwich structure for enhancing the interface reaction of hexanitrohexaazaisowurtzitane and nanoporous carbon scaffolds film to improve the thermal decomposition performance. <i>Defence Technology</i> , 2022, 18, 1886-1894.	4.2	3
23	The Effect of Particle Size of Copper Oxide (CuO) on the Heat-Induced Catalysis Decomposition of Molecular Perovskite-Based Energetic Material DAP-4. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	2.7	3
24	Effect of Grain Size and Micromorphology of Cu Foil on the Velocity of Flyer of Exploding Foil Detonator. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6598.	2.5	2
25	Facile synthesis of MgCo <sub>2</sub> O <sub>4</sub> nanosheets and its catalysis effect on the decomposition of ammonium perchlorate. <i>Canadian Journal of Chemistry</i> , 0, , .	1.1	0