Qinghua' Zhang

List of Publications by Year
in descending order

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192 papers	12,638 citations	44069 48 h-index	27406 106 g-index
202 all docs	202 docs citations	202 times ranked	10896 citing authors

#	Article	IF	Citations
1	From the sensitive primary explosive ICM-103 to insensitive heat-resistant energetic materials through a local azide-to-amino structural modification strategy. Chemical Engineering Journal, 2022, 429, 132172.	12.7	26
2	Novel thermo-alkali-stable cellulase-producing Serratia sp. AXJ-M cooperates with Arthrobacter sp. AXJ-M1 to improve degradation of cellulose in papermaking black liquor. Journal of Hazardous Materials, 2022, 421, 126811.	12.4	19
3	Tetrazolo[1,5-b]pyridazine as a versatile scaffold for construction of multipurpose energetic materials. Energetic Materials Frontiers, 2022, 3, 137-145.	3.2	10
4	Unique thermal and combustion behaviors of composite propellants containing a high-energy insensitive nitropyrimidine derivative. Combustion and Flame, 2022, 237, 111855.	5.2	7
5	Simple reaction to prepare a heat-resistant and insensitive explosive (2-nitro-[1,2,4]triazolo[1,5-a][1,3,5]triazine-5,7-diamine) and its derivatives. Chemical Engineering Journal, 2022, 432, 134297.	12.7	13
6	Hydrogen bonding distribution and its effect on sensitivity of planar tricyclic polyazole energetic materials. Chemical Engineering Journal, 2022, 433, 134479.	12.7	9
7	Theoretical insight into density and stability differences of RDX, HMX and CL-20. CrystEngComm, 2022, 24, 1537-1545.	2.6	11
8	Molecular and crystal insights into the structural design of low-sensitivity energetic materials. Theoretical and Computational Chemistry, 2022, , 435-458.	0.4	0
9	Machine Learning-Assisted High-Throughput Virtual Screening for On-Demand Customization of Advanced Energetic Materials. Engineering, 2022, 10, 99-109.	6.7	18
10	Preparation of polysiloxane coating for laser application with improved curing property based on copolymerization modification. Journal of Coatings Technology Research, 2022, 19, 1233-1241.	2.5	4
11	A heat-resistant and insensitive energetic material based on the pyrazolo-triazine framework. Energetic Materials Frontiers, 2022, 3, 26-31.	3.2	14
12	Synthesis of Ideal Energetic Materials with High Density and Performance Based on 5-Aminotetrazole. Crystal Growth and Design, 2022, 22, 2594-2601.	3.0	19
13	Recent advances in hypergolic ionic liquids with broad potential for propellant applications. FirePhysChem, 2022, 2, 236-252.	3.4	6
14	Self-assembly of iodine-containing oxidants with nitrogen-rich heterocyclic compounds for novel energetic biocidal agents. Chemical Engineering Journal, 2022, 442, 136326.	12.7	11
15	Recent advances in the treatment of lignin in papermaking wastewater. World Journal of Microbiology and Biotechnology, 2022, 38, 116.	3.6	11
16	Unearthing hidden hypergolic potential of energetic complexes with hydrogen peroxide. Combustion and Flame, 2022, 244, 112235.	5.2	9
17	Evaluation of bioremediation and detoxification potentiality for papermaking black liquor by a new isolated thermophilic and alkali-tolerant Serratia sp. AXJ-M. Journal of Hazardous Materials, 2021, 406, 124285.	12.4	20
18	Construction of Bicyclic 1,2,3-Triazine N-Oxides from Aminocyanides. Organic Letters, 2021, 23, 734-738.	4.6	27

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19	Cellulolytic bacterium characterization and genome functional analysis: An attempt to lay the foundation for waste management. Bioresource Technology, 2021, 321, 124462.	9.6	14
20	New Insight into the Aromaticity of cyclo-N₅^{â€“} by Constructing 3D Arrays in Crystal Structures. Crystal Growth and Design, 2021, 21, 33-39.	3.0	7
21	Predictive Modelling of Sugar Release from Blended Garden Wastes in a Microwave-Assisted Hot Water Process. Waste and Biomass Valorization, 2021, 12, 3009-3018.	3.4	2
22	Energetic isomers of bridged oxadiazole nitramines: the effect of asymmetric heterocyclics on stability and energetic properties. Dalton Transactions, 2021, 50, 13286-13293.	3.3	22
23	Recent advances in synthesis and crystal structures of metal pentazolate salts. CrystEngComm, 2021, 23, 5551-5559.	2.6	6
24	Synthesis of nitrogen-rich and thermostable energetic materials based on hetarenecarboxylic acids. Dalton Transactions, 2021, 50, 14462-14468.	3.3	17
25	Accelerating the discovery of energetic melt-castable materials by a high-throughput virtual screening and experimental approach. Journal of Materials Chemistry A, 2021, 9, 21723-21731.	10.3	37
26	Pseudomonas nicosulfuronedens sp. nov., a nicosulfuron degrading bacterium, isolated from a microbial consortium. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	7
27	Structural Analysis and Controllable Fabrication of Two Pentazolate-Based 3D Topological Networks. Inorganic Chemistry, 2021, 60, 8409-8413.	4.0	8
28	Enhancement of Butanol Production in a Newly Selected Strain through Accelerating Phase Shift by Different Phases C/N Ratio Regulation from Puerariae Slag Hydrolysate. Biotechnology and Bioprocess Engineering, 2021, 26, 256-264.	2.6	1
29	Detoxification of azo dye Direct Black G by thermophilic Anoxybacillus sp. PDR2 and its application potential in bioremediation. Ecotoxicology and Environmental Safety, 2021, 214, 112084.	6.0	41
30	Regulating safety and energy release of energetic materials by manipulation of molybdenum disulfide phase. Chemical Engineering Journal, 2021, 411, 128603.	12.7	25
31	Self-Assembly of Nitrogen-Rich Heterocyclic Compounds with Oxidants for the Development of High-Energy Materials. ACS Applied Materials & Interfaces, 2021, 13, 28390-28397.	8.0	38
32	Dye-assembled two-dimensional porous HMX for enhanced energy release and safety performance. Energetic Materials Frontiers, 2021, 2, 139-146.	3.2	8
33	A facile strategy for synthesizing promising pyrazole-fused energetic compounds. Chemical Engineering Journal, 2021, 416, 129190.	12.7	28
34	Cationic effect on properties related to thermal stability and ignition delay for hypergolic ionic liquids. Journal of Molecular Liquids, 2021, 336, 116572.	4.9	5
35	[1,2,4]Triazolo[4,3-b]pyridazine as a building block towards low-sensitivity high-energy materials. Chemical Engineering Journal, 2021, 421, 129635.	12.7	42
36	From heart drug to propellant fuels: Designing nitroglycerin-ionic liquid composite as green high-energy hypergolic fluids. Combustion and Flame, 2021, 233, 111597.	5.2	4

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37	Effect of bioaugmentation on lignocellulose degradation and antibiotic resistance genes removal during biogas residues composting. Bioresource Technology, 2021, 340, 125742.	9.6	38
38	Effects of revegetation on the composition and diversity of bacterial and fungal communities of sandification land soil, in Southern China. Environmental Monitoring and Assessment, 2021, 193, 706.	2.7	5
39	Hunting for Energetic Complexes as Hypergolic Promoters for Green Propellants Using Hydrogen Peroxide as Oxidizer. Inorganic Chemistry, 2021, 60, 17033-17039.	4.0	11
40	Energetic complexes as promoters for the green hypergolic bipropellant of EIL-H2O2 combinations. FirePhysChem, 2021, , .	3.4	1
41	Multi-parallel microfluidic recrystallization and characterization of explosives. Energetic Materials Frontiers, 2021, 2, 278-286.	3.2	7
42	A sustainable system for maleic acid synthesis from biomassâ€derived sugar. Journal of Chemical Technology and Biotechnology, 2020, 95, 751-757.	3.2	16
43	5,6-Fused bicyclic tetrazolo-pyridazine energetic materials. Chemical Communications, 2020, 56, 1493-1496.	4.1	75
44	Combination of gem-dinitromethyl functionality and a 5-amino-1,3,4-oxadiazole framework for zwitterionic energetic materials. Chemical Communications, 2020, 56, 209-212.	4.1	35
45	Insight into the Characteristics and New Mechanism of Nicosulfuron Biodegradation by a Pseudomonas sp. LAM1902. Journal of Agricultural and Food Chemistry, 2020, 68, 826-837.	5.2	30
46	A pentazolate-based bowl-shaped molecular container. Dalton Transactions, 2020, 49, 17542-17546.	3.3	10
47	Depolymerization of holocellulose from Chinese herb residues by the mixture of lignin-derived deep eutectic solvent with water. Carbohydrate Polymers, 2020, 248, 116793.	10.2	10
48	Genome and transcriptome analysis of a newly isolated azo dye degrading thermophilic strain Anoxybacillus sp.. Ecotoxicology and Environmental Safety, 2020, 203, 111047.	6.0	34
49	Acetone, butanol, and ethanol production from puerariae slag hydrolysate through ultrasound-assisted dilute acid by Clostridium beijerinckii YBS3. Bioresource Technology, 2020, 316, 123899.	9.6	6
50	A promising hydrogen peroxide adduct of ammonium cyclopentazolate as a green propellant component. Journal of Materials Chemistry A, 2020, 8, 12334-12338.	10.3	41
51	Construction of an Unusual Two-Dimensional Layered Structure for Fused-Ring Energetic Materials with High Energy and Good Stability. Engineering, 2020, 6, 1006-1012.	6.7	50
52	Theoretical Study on Hydrolytic Stability of Borohydride-Rich Hypergolic Ionic Liquids. Journal of Physical Chemistry A, 2020, 124, 2942-2950.	2.5	10
53	â€œTandem-actionâ€•ferrocenyl iodocuprates promoting low temperature hypergolic ignitions of â€œgreenâ€• EILâ€“H₂O₂bipropellants. Journal of Materials Chemistry A, 2020, 8, 14661-14670.	10.3	21
54	Synthesis of fused tetrazolo[1,5-b]pyridazine-based energetic compounds. Energetic Materials Frontiers, 2020, 1, 16-25.	3.2	24

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55	Fused heterocycle-based energetic materials (2012â€“2019). Journal of Materials Chemistry A, 2020, 8, 4193-4216.	10.3	263
56	Template-Free Fabrication of Refractive Index Tunable Polysiloxane Coating Using Homogeneous Embedding Strategy: Application in High-Power Laser System. Nanomaterials, 2020, 10, 381.	4.1	6
57	Decoding the crystal engineering of graphite-like energetic materials: from theoretical prediction to experimental verification. Journal of Materials Chemistry A, 2020, 8, 5975-5985.	10.3	26
58	Interfacial engineering endowing energetic co-particles with high density and reduced sensitivity. Chemical Engineering Journal, 2020, 387, 124209.	12.7	31
59	Synthesis and Properties of 3,6â€Dinitropyrazolo[4,3â€c]â€pyrazole (DNPP) Derivatives. Propellants, Explosives, Pyrotechnics, 2020, 45, 546-553.	1.6	17
60	Integrated metagenomic and metaproteomic analyses reveal potential degradation mechanism of azo dye-Direct Black G by thermophilic microflora. Ecotoxicology and Environmental Safety, 2020, 196, 110557.	6.0	22
61	Melamine N-oxide based self-assembled energetic materials with balanced energy & sensitivity and enhanced combustion behavior. Chemical Engineering Journal, 2020, 395, 125114.	12.7	48
62	Anaerobic Co-digestion of Rice Straw and Pig Manure Pretreated With a Cellulolytic Microflora: Methane Yield Evaluation and Kinetics Analysis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 579405.	4.1	17
63	Effects of alkyl chains on the physicochemical properties of nitroguanidine derivatives. Energetic Materials Frontiers, 2020, 1, 157-164.	3.2	12
64	[LiNa(N5)2(H2O)4]Â·H2O: a novel heterometallic cyclo- $$m{N}_5^-$$ N 5 â¯ framework with helical chains. Science China Materials, 2019, 62, 283-288.	6.3	29
65	Cellulolytic Microflora Pretreatment Increases the Efficiency of Anaerobic Co-digestion of Rice Straw and Pig Manure. Bioenergy Research, 2019, 12, 703-713.	3.9	10
66	From energetic cobalt pentazolate to cobalt@nitrogen-doped carbons as efficient electrocatalysts for oxygen reduction. Science China Materials, 2019, 62, 1403-1411.	6.3	10
67	Hunting for advanced high-energy-density materials with well-balanced energy and safety through an energetic hostâ€“guest inclusion strategy. Journal of Materials Chemistry A, 2019, 7, 19248-19257.	10.3	69
68	Exploration of the key functional strains from an azo dye degradation microbial community by DGGE and high-throughput sequencing technology. Environmental Science and Pollution Research, 2019, 26, 24658-24671.	5.3	18
69	High density assembly of energetic molecules under the constraint of defected 2D materials. Journal of Materials Chemistry A, 2019, 7, 17806-17814.	10.3	51
70	Synthesis of Thermally Stable and Insensitive Energetic Materials by Incorporating the Tetrazole Functionality into a Fused-Ring 3,6-Dinitropyrazolo-[4,3-c]Pyrazole Framework. ACS Applied Materials & Interfaces, 2019, 11, 45914-45921.	8.0	58
71	Dressing technology of arc diamond wheel by roll abrading in aspheric parallel grinding. International Journal of Advanced Manufacturing Technology, 2019, 105, 2699-2706.	3.0	6
72	Energetic Metalâ€“Organic Frameworks Incorporating NH₃OH⁺ for New High-Energy-Density Materials. Inorganic Chemistry, 2019, 58, 12228-12233.	4.0	28

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73	Exploring the reactive chemistry of FOX-7: synthesis of cyclic triazinane-based energetic materials featuring the FOX-7 backbone. New Journal of Chemistry, 2019, 43, 10429-10433.	2.8	8
74	Fabrication of protonated g-C₃N₄ nanosheets as promising proton conductive materials. Chemical Communications, 2019, 55, 7414-7417.	4.1	18
75	A green metal-free fused-ring initiating substance. Nature Communications, 2019, 10, 1339.	12.8	144
76	Synthesis and hypergolic properties of flammable ionic liquids based on the cyano (1H-1,2,3-triazole-1-yl) dihydroborate anion. Dalton Transactions, 2019, 48, 6198-6204.	3.3	18
77	Revisiting the reactive chemistry of FOX-7: cyclization of FOX-7 affords the fused-ring polynitro compounds. Chemical Communications, 2019, 55, 3497-3500.	4.1	31
78	Effects of Nanosized Metals and Metal Oxides on the Thermal Behaviors of Insensitive High Energetic Compound ICM-102. Journal of Physical Chemistry C, 2019, 123, 31108-31118.	3.1	11
79	Silica-Based Sol-Gel Coating with High Transmission at 1053 and 527 nm and Absorption at 351 nm for Frequency-Converting Crystals in High-Power Laser System. Applied Sciences (Switzerland), 2019, 9, 5038.	2.5	4
80	Photobacterium salinisoli sp. nov., isolated from a sulfonylurea herbicide-degrading consortium enriched with saline soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3910-3916.	1.7	13
81	Construction of a Thermally Stable and Highly Energetic Metalâ€“Organic Framework as Lead-Free Primary Explosives. Crystal Growth and Design, 2018, 18, 1896-1902.	3.0	53
82	Stabilization of the Pentazolate Anion in a Zeolitic Architecture with Na₂₀N₆₀ and Na₂₄N₆₀ Nanocages. Angewandte Chemie, 2018, 130, 2622-2625.	2.0	18
83	Stabilization of the Pentazolate Anion in a Zeolitic Architecture with Na₂₀N₆₀ and Na₂₄N₆₀ Nanocages. Angewandte Chemie - International Edition, 2018, 57, 2592-2595.	13.8	100
84	Synthesis of 4,8â€Dinitraminodifurazano[3,â€‰4â€b,e]pyrazine Derived Nitrogenâ€Rich Salts as Potential Energetic Materials. ChemistrySelect, 2018, 3, 849-854.	1.5	29
85	Synthesis and Properties of Triaminocyclopropenium Cation Based Ionic Liquids as Hypergolic Fluids. Chemistry - A European Journal, 2018, 24, 4620-4627.	3.3	20
86	The ignition process measurements and performance evaluations for hypergolic ionic liquid fuels: [EMIm][DCA] and [BMIm][DCA]. Fuel, 2018, 215, 612-618.	6.4	37
87	Experimental Observation of Hypergolic Ignition of Superbase-Derived Ionic Liquids. Journal of Propulsion and Power, 2018, 34, 125-132.	2.2	13
88	Exploration of new water stable proton-conducting materials in an amino acid-templated metal phosphate system. Dalton Transactions, 2018, 47, 654-658.	3.3	26
89	Biodegradation and detoxification of Direct Black G textile dye by a newly isolated thermophilic microflora. Bioresource Technology, 2018, 250, 650-657.	9.6	104
90	Effect of organic loading rate on anaerobic co-digestion of rice straw and pig manure with or without biological pretreatment. Bioresource Technology, 2018, 250, 155-162.	9.6	82

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91	Iodocuprate-containing ionic liquids as promoters for green propulsion. Journal of Materials Chemistry A, 2018, 6, 22819-22829.	10.3	44
92	Research on the Signal De-noising Method of Acoustic Emission in Fused Silica Grinding. , 2018, , .		1
93	Water stable oxalate-based coordination polymers with in situ generated cyclic dipeptides showing high proton conductivity. Dalton Transactions, 2018, 47, 15288-15292.	3.3	10
94	Fabrication of UV-curable silicone coating with high transmittance and laser-induced damage threshold for high-power laser system. Journal of Sol-Gel Science and Technology, 2018, 88, 249-254.	2.4	20
95	Coulomb explosion and ultra-fast hypergolic ignition of borohydride-rich ionic liquids with WFNA. Combustion and Flame, 2018, 194, 464-471.	5.2	34
96	A simple and versatile strategy for taming FOX-7. Chemical Communications, 2018, 54, 9333-9336.	4.1	32
97	Ionothermal Synthesis of Open-Framework Metal Phosphates Using a Multifunctional Ionic Liquid. Inorganic Chemistry, 2018, 57, 8726-8729.	4.0	25
98	Designing Explosive Poly(Ionic Liquid)s as Novel Energetic Polymers. Chemistry - A European Journal, 2018, 24, 15897-15902.	3.3	18
99	Rational Design and Facile Synthesis of Boranophosphate Ionic Liquids as Hypergolic Rocket Fuels. Chemistry - A European Journal, 2018, 24, 10201-10207.	3.3	21
100	Accelerating the discovery of insensitive high-energy-density materials by a materials genome approach. Nature Communications, 2018, 9, 2444.	12.8	245
101	Heterometallic Hybrid Open Frameworks: Synthesis and Application for Selective Detection of Nitro Explosives. Crystal Growth and Design, 2017, 17, 1836-1842.	3.0	21
102	Organic superbase derived ionic liquids based on the TFSI anion: synthesis, characterization, and electrochemical properties. New Journal of Chemistry, 2017, 41, 5091-5097.	2.8	14
103	In Situ Encapsulation of Imidazolium Proton Carriers in Anionic Open Frameworks Leads the Way to Proton-Conducting Materials. European Journal of Inorganic Chemistry, 2017, 2017, 2295-2300.	2.0	10
104	Construction of hydrothermally stable beryllium phosphite open-frameworks with high proton conductivity. CrystEngComm, 2017, 19, 3997-4002.	2.6	13
105	Synthesis of gemâ€Dinitromethylated and Fluorodinitromethylated Derivatives of 5,5â€²â€Dinitroâ€bisâ€1,2,4â€triazole as Promising Highâ€Energyâ€Density Materials. Chemistry - A European Journal, 2017, 23, 12787-12794.	3.3	29
106	Nitratoâ€Functionalized Taskâ€Specific Ionic Liquids as Attractive Hypergolic Rocket Fuels. Chemistry - A European Journal, 2017, 23, 12502-12509.	3.3	27
107	A luminescent heterometallic metalâ€“organic framework for the naked-eye discrimination of nitroaromatic explosives. Chemical Communications, 2017, 53, 10318-10321.	4.1	78
108	Synthesis of 1-(2H-tetrazol-5-yl)-5-nitraminotetrazole and its derivatives from 5-aminotetrazole and cyanogen azide: a promising strategy towards the development of Câ€“N linked bistetrazolate energetic materials. Journal of Materials Chemistry A, 2017, 5, 20867-20873.	10.3	52

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109	Exploiting the energetic potential of 1,2,4-oxadiazole derivatives: combining the benefits of a 1,2,4-oxadiazole framework with various energetic functionalities. Dalton Transactions, 2017, 46, 14210-14218.	3.3	35
110	A promising high-energy-density material. Nature Communications, 2017, 8, 181.	12.8	218
111	Green primary energetic materials based on N-(3-nitro-1-(trinitromethyl)-1H-1,2,4-triazol-5-yl)nitramide. New Journal of Chemistry, 2017, 41, 9070-9076.	2.8	33
112	Adaptive laser conditioning of reflective thin film based on photo thermal lens probe. Review of Scientific Instruments, 2017, 88, 124901.	1.3	2
113	Towards Safer Rocket Fuels: Hypergolic Imidazolylideneâ€Borane Compounds as Replacements for Hydrazine Derivatives. Chemistry - A European Journal, 2016, 22, 10187-10193.	3.3	39
114	Microporous Metal-Organic Frameworks Based on Zinc Clusters and Their Fluorescence Enhancements towards Acetone and Chloroform. European Journal of Inorganic Chemistry, 2016, 2016, 3411-3416.	2.0	17
115	Bis(borano)hypophosphite-based ionic liquids as ultrafast-igniting hypergolic fuels. Journal of Materials Chemistry A, 2016, 4, 8978-8982.	10.3	46
116	Towards Nâ€Alkylimidazole Boraneâ€based Hypergolic Fuels. Chemistry - an Asian Journal, 2016, 11, 3528-3533.	3.3	21
117	Fluorescent heterometallic MOFs: tunable framework charges and application for explosives detection. CrystEngComm, 2016, 18, 8301-8308.	2.6	19
118	Bis(4â€nitraminofurazanylâ€3â€azoxy)azofurazan and Derivatives: 1,2,5â€Oxadiazole Structures and Highâ€Performance Energetic Materials. Angewandte Chemie - International Edition, 2016, 55, 11548-11551.	13.8	62
119	Bis(4â€nitraminofurazanylâ€3â€azoxy)azofurazan and Derivatives: 1,2,5â€Oxadiazole Structures and Highâ€Performance Energetic Materials. Angewandte Chemie, 2016, 128, 11720-11723.	2.0	21
120	Enhanced butanol production by solvent tolerance Clostridium acetobutylicum SE25 from cassava flour in a fibrous bed bioreactor. Bioresource Technology, 2016, 221, 412-418.	9.6	19
121	Supramolecular Templating Approach for the Solvent-Free Synthesis of Open-Framework Metal Oxalates. Inorganic Chemistry, 2016, 55, 7817-7819.	4.0	32
122	Beyond solvents and electrolytes: Ionic liquids-based advanced functional materials. Progress in Materials Science, 2016, 77, 80-124.	32.8	129
123	Exploiting hydrophobic borohydride-rich ionic liquids as faster-igniting rocket fuels. Chemical Communications, 2016, 52, 2031-2034.	4.1	66
124	Synthesis of efficient SBA-15 immobilized ionic liquid catalyst and its performance for Friedelâ€“Crafts reaction. Catalysis Today, 2016, 276, 112-120.	4.4	16
125	Selective detection of picric acid by a fluorescent ionic liquid chemosensor. Sensors and Actuators B: Chemical, 2016, 229, 520-527.	7.8	56
126	Dancing with Energetic Nitrogen Atoms: Versatile N-Functionalization Strategies for N-Heterocyclic Frameworks in High Energy Density Materials. Accounts of Chemical Research, 2016, 49, 4-16.	15.6	266

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127	Exploration of the key functional proteins from an efficient cellulolytic microbial consortium using dilution-to-extinction approach. Journal of Environmental Sciences, 2016, 43, 199-207.	6.1	5
128	Enhancement of butanol production in Clostridium acetobutylicum SE25 through accelerating phase shift by different phases pH regulation from cassava flour. Bioresource Technology, 2016, 201, 148-155.	9.6	20
129	Exploring Sustainable Rocket Fuels: [Imidazolylâ^'Amineâ^'BH₂]⁺â€Cationâ€Based Ionic Liquids as Replacements for Toxic Hydrazine Derivatives. Chemistry - an Asian Journal, 2015, 10, 2725-2732.	3.3	38
130	Energetic Salts with Ï€-Stacking and Hydrogen-Bonding Interactions Lead the Way to Future Energetic Materials. Journal of the American Chemical Society, 2015, 137, 1697-1704.	13.7	360
131	Biodegradable betaine-based aprotic task-specific ionic liquids and their application in efficient SO₂ absorption. Green Chemistry, 2015, 17, 3798-3805.	9.0	40
132	Super-base-derived hypergolic ionic fuels with remarkably improved thermal stability. Journal of Materials Chemistry A, 2015, 3, 20664-20672.	10.3	34
133	The Roles of Endoplasmic Reticulum Overload Response Induced by HCV and NS4B Protein in Human Hepatocyte Viability and Virus Replication. PLoS ONE, 2015, 10, e0123190.	2.5	16
134	Insensitive Nitrogenâ€Rich Materials Incorporating the Nitroguanidyl Functionality. Chemistry - an Asian Journal, 2014, 9, 212-217.	3.3	39
135	Metalâ€“Organic Frameworks as High Explosives: A New Concept for Energetic Materials. Angewandte Chemie - International Edition, 2014, 53, 2540-2542.	13.8	208
136	Cyanoborohydrideâ€Based Ionic Liquids as Green Aerospace Bipropellant Fuels. Chemistry - A European Journal, 2014, 20, 6909-6914.	3.3	88
137	Shape-controlled nanostructured magnetite-type materials as highly efficient Fenton catalysts. Applied Catalysis B: Environmental, 2014, 144, 739-749.	20.2	95
138	Molecular Design and Property Prediction of High Density Polynitro[3.3.3]-Propellane-Derivatized Frameworks as Potential High Explosives. Journal of Physical Chemistry A, 2014, 118, 10857-10865.	2.5	29
139	Deep eutectic solvents as novel extraction media for phenolic compounds from model oil. Chemical Communications, 2014, 50, 11749-11752.	4.1	121
140	Energetic Ionic Liquids as Explosives and Propellant Fuels: A New Journey of Ionic Liquid Chemistry. Chemical Reviews, 2014, 114, 10527-10574.	47.7	495
141	HYPERGOLIC IONIC LIQUID FUELS AND OXIDIZERS. International Journal of Energetic Materials and Chemical Propulsion, 2014, 13, 251-285.	0.3	3
142	Growing Catenated Nitrogen Atom Chains. Angewandte Chemie - International Edition, 2013, 52, 8792-8794.	13.8	72
143	Comparative assessment of the methanogenic steps of single and two-stage processes without or with a previous hydrolysis of cassava distillage. Bioresource Technology, 2013, 147, 1-6.	9.6	10
144	Mechanocatalytic Deconstruction of Cellulose: An Emerging Entry into Biorefinery. ChemSusChem, 2013, 6, 2042-2044.	6.8	71

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145	Ionic Liquid Propellants: Future Fuels for Space Propulsion. Chemistry - A European Journal, 2013, 19, 15446-15451.	3.3	94
146	Pretreatment of microcrystalline cellulose by ultrasounds: effect of particle size in the heterogeneously-catalyzed hydrolysis of cellulose to glucose. Green Chemistry, 2013, 15, 963.	9.0	88
147	Exploration of the key microbes involved in the cellulolytic activity of a microbial consortium by serial dilution. Bioresource Technology, 2013, 132, 395-400.	9.6	16
148	Isolation of new flavan-3-ol and lignan glucoside from Loropetalum chinense and their antimicrobial activities. FÃ¬toterapÃ¬Ã¢, 2013, 90, 228-232.	2.2	13
149	Activation of Microcrystalline Cellulose in a CO₂â€Based Switchable System. ChemSusChem, 2013, 6, 593-596.	6.8	67
150	N-Trinitroethylamino functionalization of nitroimidazoles: a new strategy for high performance energetic materials. Journal of Materials Chemistry A, 2013, 1, 7500.	10.3	82
151	Ionic Liquidâ€Mediated Î±â€Fe₂O₃ Shapeâ€Controlled Nanocrystalâ€Supported Noble Metals: Highly Active Materials for CO Oxidation. ChemCatChem, 2013, 5, 1978-1988.	3.7	13
152	Energetic Nâ€Trinitroethylâ€Substituted Monoâ€, Diâ€, and Triaminotetrazoles. Chemistry - A European Journal, 2013, 19, 11000-11006.	3.3	72
153	Electrically Switchable Capillarity of Ionic Liquids. Journal of Adhesion Science and Technology, 2012, 26, 2069-2078.	2.6	6
154	Deep eutectic solvents: syntheses, properties and applications. Chemical Society Reviews, 2012, 41, 7108.	38.1	3,591
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