

Vikas K Bhosale

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

364
citations

687363

13
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Ignition of boron-based green hypergolic fuels with hydrogen peroxide. <i>Fuel</i> , 2019, 255, 115729.	6.4	53
2	Additive-promoted hypergolic ignition of ionic liquid with hydrogen peroxide. <i>Combustion and Flame</i> , 2020, 214, 426-436.	5.2	39
3	Ultrafast igniting, imidazolium based hypergolic ionic liquids with enhanced hydrophobicity. <i>New Journal of Chemistry</i> , 2017, 41, 1250-1258.	2.8	29
4	Ultrafast igniting, low toxicity hypergolic hybrid solid fuels and hydrogen peroxide oxidizer. <i>Fuel</i> , 2021, 286, 119307.	6.4	28
5	Ionic Liquid and Biofuel Blend: A Low-cost and High Performance Hypergolic Fuel for Propulsion Application. <i>ChemistrySelect</i> , 2016, 1, 1921-1925.	1.5	25
6	A water-soluble boronate masked benzoindocyanin fluorescent probe for the detection of endogenous mitochondrial peroxynitrite in live cells and zebrafish as inflammation models. <i>Dyes and Pigments</i> , 2021, 191, 109371.	3.7	25
7	Emulsion ionic liquid membranes (EILMs) for removal of Pb(II) from aqueous solutions. <i>RSC Advances</i> , 2014, 4, 52316-52323.	3.6	23
8	Ignition study of amine borane/cyanoborane based green hypergolic fuels. <i>Combustion and Flame</i> , 2019, 210, 1-8.	5.2	17
9	Hypergolic Behavior of Pyridinium Salts Containing Cyanoborohydride and Dicyanamide Anions with Oxidizer RFNA. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 1013-1019.	1.6	16
10	Rapid ignition of "green" bipropellants enlisting hypergolic copper (II) promoter-in-fuel. <i>Fuel</i> , 2021, 297, 120734.	6.4	16
11	Demonstration of ammonia borane-based hypergolic ignitor for hybrid rocket. <i>Acta Astronautica</i> , 2022, 196, 85-93.	3.2	16
12	Separation of nitroaromatics from wastewater by using supported ionic liquid membranes. <i>Journal of Water Process Engineering</i> , 2019, 32, 100925.	5.6	15
13	Phosphinate "benzoindocyanin fluorescent probe for endogenous mitochondrial peroxynitrite detection in living cells and gallbladder access in inflammatory zebrafish animal models. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120568.	3.9	15
14	Theoretical performance evaluation of hypergolic ionic liquid fuels with storable oxidizers. <i>New Journal of Chemistry</i> , 2017, 41, 9889-9896.	2.8	12
15	Treatment of energetic material contaminated wastewater using ionic liquids. <i>RSC Advances</i> , 2015, 5, 20503-20510.	3.6	10
16	Synergistic effect of a hybrid additive for hydrogen peroxide-based low toxicity hypergolic propellants. <i>Combustion and Flame</i> , 2021, 231, 111450.	5.2	10
17	Removal of Phenol from Organic System by Using Ionic Liquids. <i>Current Environmental Engineering</i> , 2019, 6, 126-133.	0.6	9
18	Three-Dimensionally Printed Polylactic Acid as Solid Fuel for Hydrogen Peroxide Hybrid Rockets. <i>Journal of Propulsion and Power</i> , 2021, 37, 171-175.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Sodium Iodide: a Trigger for Hypergolic Ignition of Non-toxic Fuels With Hydrogen Peroxide. , 2020, , .		1