Mohammad Hossein Keshavarz

List of Publications by Year
in descending order

206 papers	3,878 citations	147801 31 h-index	265206 42 g-index
212 all docs	212 docs citations	212 times ranked	1473 citing authors

#	Article	IF	Citations
1	QSPR model for estimation of photodegradation average rate of the porphyrin-TiO2 complexes and prediction of their biodegradation activity and toxicity: Engineering of two annihilators for water/waste contaminants. Journal of Molecular Structure, 2022, 1249, 131463.	3.6	7
2	Reliable predictions of the net heat of combustion and the condensed phase heat of formation of organosilicon compounds. Fuel, 2022, 307, 121931.	6.4	1
3	A novel model for prediction of stability constants of the thiosemicarbazone ligands with different types of toxic heavy metal ions using structural parameters and multivariate linear regression method. Environmental Science and Pollution Research, 2022, 29, 37084-37095.	5.3	3
4	Simple Approach for Reliable Prediction of Solubility of Polymers in Environmentally Compatible Solvents. Industrial & Engineering Chemistry Research, 2022, 61, 2425-2433.	3.7	6
5	A simple correlation for reliable prediction of intrinsic viscosity (limiting viscosity number) of different polymer-solvent combinations. Fluid Phase Equilibria, 2022, 557, 113422.	2.5	5
6	A simple approach for prediction of Henryâ€™s law constant of pesticides, solvents, aromatic hydrocarbons, and persistent pollutants without using complex computer codes and descriptors. Chemical Engineering Research and Design, 2022, 162, 867-877.	5.6	5
7	Simple method for assessment of activities of thrombin inhibitors through their molecular structure parameters. Computers in Biology and Medicine, 2022, 146, 105640.	7.0	3
8	A simple assessment of toxicity towards Chlorella vulgaris of organic aromatic compounds in environmental protection. Chemical Engineering Research and Design, 2022, 163, 669-678.	5.6	5
9	Recent advances for assessment of the condensed phase heat of formation of high-energy content organic compounds and ionic liquids (or salts) to introduce a new computer code for design of desirable compounds. Fluid Phase Equilibria, 2021, 533, 112913.	2.5	4
10	The simplest method for reliable prediction of autoignition temperature of organic hydroxyl compounds to assess their process safety in industrial applications. Chemical Engineering Research and Design, 2021, 148, 283-290.	5.6	5
11	An improved correlation for reliable assessment of the detonation performance of nonâ€ideal explosives containing metals and the other solid particulates. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 673-680.	1.2	6
12	A simple method for assessing the psychotomimetic activity of the substituted phenethylamines. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 651-662.	1.2	0
13	Prediction of Retention Time of Morphine and Its Derivatives Without Using Computer-Encoded Complex Descriptors. Chromatographia, 2021, 84, 87-96.	1.3	0
14	A simple model for the assessment of the agonistic activity of dibenzazepine derivatives by molecular moieties. Medicinal Chemistry Research, 2021, 30, 215-225.	2.4	1
15	Assessment of the Shelf Life of Composite Solid Propellants in Air and Nitrogen Atmospheres through Thermal Ageing. Central European Journal of Energetic Materials, 2021, 18, 25-45.	0.4	1
16	A New Approach for the Leaching of Palladium from Spent Pd/C Catalyst in HClâ€“H2O2 System. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 297-305.	1.1	2
17	Risk assessment of organic aromatic compounds to Tetrahymena pyriformis in environmental protection by a simple QSAR model. Chemical Engineering Research and Design, 2021, 150, 137-147.	5.6	14
18	The use of the change of elongation for comparison of the shelf life of composite solid propellants in the air and nitrogen atmospheres. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 696-703.	1.2	4

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19	Simple Approach for Reliable Prediction of the Flash Point of Organosilicon Compounds as Compared to the Best Available Methods. Industrial & Engineering Chemistry Research, 2021, 60, 14664-14673.	3.7	1
20	Simple method to calculate explosion temperature of ideal and non-ideal energetic compounds. Journal of Energetic Materials, 2020, 38, 206-213.	2.0	8
21	A Simple Method for Safe Determination of the Activity of Palladium on Activated Carbon Catalysts in the Hydrogenation of Cinnamic Acid to Hydrocinnamic Acid. Industrial & Engineering Chemistry Research, 2020, 59, 1862-1874.	3.7	12
22	An improved simple correlation for reliable prediction of the enthalpy of fusion of cyclic and acyclic hydrocarbons including different types of saturated and unsaturated aliphatic hydrocarbons. Fluid Phase Equilibria, 2020, 525, 112813.	2.5	2
23	Assessment of Recent Researches for Reliable Prediction of Density of Organic Compounds as well as Ionic Liquids and Salts Containing Energetic Groups at Room Temperature. Propellants, Explosives, Pyrotechnics, 2020, 45, 1680-1690.	1.6	10
24	A new nanocomposite based on poly (o-anthranilic acid), graphene oxide and functionalized carbon nanotube as an efficient corrosion inhibitor for stainless steel in severe environmental corrosion. Composites Communications, 2020, 22, 100467.	6.3	26
25	A Simple Approach to Assess the Performance of Nonâ€ideal Aluminum/Ammonium Perchlorate Composite Explosives as Compared to the Best Available Methods. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1419-1425.	1.2	3
26	Assessment of Thermal Stability and Detonation Performance of 4â€Aminoâ€1,2,4â€triazolium Nitrate as compared to 2,4,6â€Trinitrotoluene for Meltâ€cast Explosives. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 323-327.	1.2	3
27	A reliable model for assessment of melting points of cyclic hydrocarbons containing complex molecular structures, isomers and stereoisomers. Fluid Phase Equilibria, 2020, 521, 112692.	2.5	3
28	Application of Laser Induced Breakdown Spectroscopy as a Novel Approach for Monitoring of the Activity of Nano Palladium Catalyst as Compared to Two Wellâ€known Methods. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 65-69.	1.2	3
29	Fabrication of Highâ€Performance Palladium Supported on Activated Charcoal Nanocatalyst for Synthesis of Morphine Opioid Analgesics. ChemistrySelect, 2020, 5, 4278-4284.	1.5	5
30	Towards the Safe and Simple Production of Hydrocinnamic Acid by Highâ€Performance Palladium on Charcoal Nanocatalyst and Modeling the Nanocatalyst Fabrication Method. ChemistrySelect, 2020, 5, 2354-2364.	1.5	4
31	The Use of Laser Induced Breakdown Spectroscopy (LIBS) to Study Catalyst Deactivation of V₂O₅/Î³â€Al₂O₃ as Compared to Inductively Coupled Plasma Optical Emission Spectrometry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1057-1061.	1.2	4
32	Corrosion Inhibition of Stainless Steel in HCl Solution Using Newly Aniline and o-Anthranilic Acid Copolymer. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 795-802.	1.1	6
33	A simple method for assessing chemical toxicity of ionic liquids on Vibrio fischeri through the structure of cations with specific anions. Ecotoxicology and Environmental Safety, 2019, 182, 109429.	6.0	35
34	Recent advances for prediction of electric spark and shock sensitivities of organic compounds containing energetic functional groups to assess reliable models. Chemical Engineering Research and Design, 2019, 131, 9-15.	5.6	5
35	A Simple Correlation for Assessment of the Shock Wave Energy in Underwater Detonation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1146-1152.	1.2	6
36	Reliable prediction of the flash point of organic compounds containing hazardous peroxide functional groups as compared to the best available methods. Chemical Engineering Research and Design, 2019, 132, 134-141.	5.6	5

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37	A novel method for prediction of the critical diameter of solid pure and composite high explosives to assess their explosion safety in an industrial setting. Journal of Energetic Materials, 2019, 37, 331-339.	2.0	2
38	A Simple Method for Reliable Estimation of the Bubble Energy in the Underwater Explosion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1402-1407.	1.2	8
39	Correlations Between Laser Induced Breakdown Spectroscopy (LIBS) and Dynamical Mechanical Analysis (DMA) for Assessment of Aging Effect on Plastic Bonded Explosives (PBX). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 120-125.	1.2	11
40	Application of laser-induced breakdown spectroscopy to assess palladium catalyst deactivation. Applied Optics, 2019, 58, 794.	1.8	7
41	A Novel Method for Assessment of the Velocity of Detonation for Primary Explosives. Propellants, Explosives, Pyrotechnics, 2018, 43, 342-347.	1.6	5
42	A novel method for predicting melting point of ionic liquids. Chemical Engineering Research and Design, 2018, 116, 333-339.	5.6	19
43	A Simple Approach for Prediction of the Condensed Phase Heat of Formation of Imidazoliumâ€Based Ionic Liquids or Salts. ChemistrySelect, 2018, 3, 3505-3510.	1.5	5
44	A Simple Method for Predicting Friction Sensitivity of Quaternary Ammonium-Based Energetic Ionic Liquids. Propellants, Explosives, Pyrotechnics, 2018, 43, 568-573.	1.6	6
45	A novel and simple approach for predicting activation energy of thermolysis of some selected ionic liquids. Journal of Thermal Analysis and Calorimetry, 2018, 134, 2383-2390.	3.6	4
46	The simplest model for reliable prediction of the total heat release of polymers for assessment of their combustion properties. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2235-2242.	3.6	11
47	Investigating the Effect of Copper(II) Coordination Compound with Azodicarbonamide Ligand on the Phaseâ€Stabilization of Ammonium Nitrate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 58-64.	1.2	4
48	New and reliable model for prediction of autoignition temperature of organic compounds containing energetic groups. Chemical Engineering Research and Design, 2018, 113, 491-497.	5.6	12
49	A novel method for predicting decomposition onset temperature of cubic polyhedral oligomeric silsesquioxane derivatives. Journal of Thermal Analysis and Calorimetry, 2018, 132, 761-770.	3.6	9
50	Synthesis and Investigation of the New Derivatives of Poly(Epichlorohydrin) Containing Energetic Groups. Propellants, Explosives, Pyrotechnics, 2018, 43, 83-89.	1.6	7
51	Assessing the Detonation Performance of New Tetrazole Base High Energy Density materials. Propellants, Explosives, Pyrotechnics, 2018, 43, 1236-1244.	1.6	17
52	Two Novel Correlations for Prediction of Electric Spark Sensitivity of Nitramines Based on the Experimental Data of the New Instrument. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1607-1610.	1.2	3
53	Introducing Laser Induced Breakdown Spectroscopy (LIBS) as a Novel, Cheap and Nonâ€destructive Method to Study the Changes of Mechanical Properties of Plastic Bonded Explosives (PBX). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1667-1673.	1.2	13
54	A General Relationship between Electric Spark and Impact Sensitivities of Nitroaromatics and Nitramines. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1623-1628.	1.2	1

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55	Novel Organic Compounds Containing Nitramine Groups Suitable as Highâ€Energy Cyclic Nitramine Compounds. ChemistrySelect, 2018, 3, 8238-8244.	1.5	5
56	A Novel Approach for Prediction of Sensitivity toward the Electrical Discharge of Quaternary Ammoniumâ€based Energetic Ionic Liquids or Salts. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1153-1157.	1.2	5
57	Reliable Prediction of Shock Sensitivity of Energetic Compounds based on Smallâ€scale Gap Test through Their Electric Spark Sensitivity. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 888-892.	1.2	4
58	Combustible Organic Materials. , 2018, , .		13
59	Introducing Novel Tetrazole Derivatives as High Performance Energetic Compounds for Confined Explosion and as Oxidizer in Solid Propellants. Propellants, Explosives, Pyrotechnics, 2017, 42, 492-498.	1.6	20
60	A new method for assessment of glass transition temperature of ionic liquids from structure of their cations and anions without using any computer codes. Journal of Thermal Analysis and Calorimetry, 2017, 130, 2369-2387.	3.6	11
61	A novel approach for assessment of thermal stability of organic azides through prediction of their temperature of maximum mass loss. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1659-1665.	3.6	16
62	A simple approach for assessment of the corrosion inhibition efficiency of triazole, oxadiazole and thiadiazole derivatives as a function of their concentrations without using complex computer codes. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 359-372.	1.1	11
63	The influence of magnesium powder on the thermal behavior of Alâ€“CuO thermite mixture. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1847-1854.	3.6	15
64	Assessment of Physicoâ€Thermal Properties, Combustion Performance, and Ignition Delay Time of Dimethyl Amino Ethanol as a Novel Liquid Fuel. Propellants, Explosives, Pyrotechnics, 2017, 42, 423-429.	1.6	1
65	The effect of cellulose derivatives on the phase transition and thermal behavior of ammonium nitrate. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1049-1056.	3.6	11
66	New Correlation between Electric Spark and Impact Sensitivities of Nitramine Energetic Compounds for Assessment of Their Safety. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1227-1231.	1.2	11
67	Constants of explosive limits. Chemical Engineering Science, 2017, 173, 384-389.	3.8	13
68	Assessment of the effect of N-oxide group in a new high-performance energetic tetrazine derivative on its physicochemical and thermodynamic properties, sensitivity, and combustion and detonation performance. Chemistry of Heterocyclic Compounds, 2017, 53, 797-801.	1.2	10
69	Energetic Materials Designing Bench (EMDB), Version 1.0. Propellants, Explosives, Pyrotechnics, 2017, 42, 854-856.	1.6	46
70	A Simple Method for the Reliable Prediction of Char Yield of Polymers. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1049-1056.	1.2	10
71	Increment of activity of Pd(OH)₂/C catalyst in order to improve the yield of high performance 2,4,6,8,10,12-hexanitrohexaazaisowurtzitane (HNIW). Inorganic and Nano-Metal Chemistry, 2017, 47, 1489-1494.	1.6	7
72	A Novel Class of Nitrogen-rich Explosives Containing High Oxygen Balance to Use as High Performance Oxidizers in Solid Propellants. Propellants, Explosives, Pyrotechnics, 2017, 42, 1155-1160.	1.6	7

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73	Correlation between Shock Sensitivity of Nitramine Energetic Compounds based on Smallâ€scale Gap Test and Their Electric Spark Sensitivity. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2158-2162.	1.2	10
74	A Novel and Simple Method for the Prediction of Corrosion Inhibition Efficiency without Using Complex Computer Codes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 2149-2157.	1.2	7
75	A simple model for reliable prediction of the specific heat release capacity of polymers as an important characteristic of their flammability. Journal of Thermal Analysis and Calorimetry, 2017, 128, 417-426.	3.6	17
76	Structural, thermochemical and detonation performance of derivatives of 1,2,4,5-tetrazine and 1,4 N-oxide 1,2,4,5-tetrazine as new high-performance and nitrogen-rich energetic materials. Journal of the Iranian Chemical Society, 2017, 14, 57-63.	2.2	12
77	A New Method for Predicting Decomposition Temperature of Imidazoliumâ€based Energetic Ionic Liquids. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 171-179.	1.2	22
78	Energetic materials identification by laser-induced breakdown spectroscopy combined with artificial neural network. Applied Optics, 2017, 56, 3372.	2.1	29
79	Relationship between Activation Energy of Thermolysis and Friction Sensitivity of Cyclic and Acyclic Nitramines. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 182-188.	1.2	18
80	A reliable method for prediction of enthalpy of fusion in energetic materials using their molecular structures. Fluid Phase Equilibria, 2016, 427, 46-55.	2.5	24
81	Relation between Electric Spark Sensitivity and Impact Sensitivity of Nitroaromatic Energetic Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 335-342.	1.2	13
82	New method for assessment of melting points of organic azides using their molecular structures. Fluid Phase Equilibria, 2016, 427, 27-34.	2.5	6
83	High Performance Nitroazacubane Energetic Compounds: Structural, Thermochemical and Detonation Characteristics. ChemistrySelect, 2016, 1, 6735-6740.	1.5	9
84	Relationship between the results of laser-induced breakdown spectroscopy and dynamical mechanical analysis in composite solid propellants during their aging. Applied Optics, 2016, 55, 4362.	2.1	23
85	Synthesis, characterization and thermal behavior of 2,4-dinitrophenoxy ethanol as a suitable plasticizer for propellants formulations. Journal of Thermal Analysis and Calorimetry, 2016, 126, 681-688.	3.6	6
86	Approach for determination of detonation performance and aluminum percentage of aluminized-based explosives by laser-induced breakdown spectroscopy. Applied Optics, 2016, 55, 3233.	1.8	38
87	Prediction of decomposition onset temperature and heat of decomposition of organic peroxides using simple approaches. Journal of Thermal Analysis and Calorimetry, 2016, 125, 887-896.	3.6	26
88	A Reliable Method for Prediction of the Condensed Phase Enthalpy of Formation of High Nitrogen Content Materials through their Gas Phase Information. ChemistrySelect, 2016, 1, 5286-5296.	1.5	19
89	A new approach for assessment of glass transition temperature of acrylic and methacrylic polymers from structure of their monomers without using any computer codes. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1787-1796.	3.6	21
90	Recent Developments for Prediction of Power of Aromatic and Nonâ€Aromatic Energetic Materials along with a Novel Computer Code for Prediction of Their Power. Propellants, Explosives, Pyrotechnics, 2016, 41, 942-948.	1.6	3

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91	Simple Approach to Predict Corrosion Inhibition Efficiency of Imidazole and Benzimidazole Derivatives as well as Linear Organic Compounds Containing Several Polar Functional Groups. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 906-913.	1.2	23
92	A New Method for Assessment of Performing Mechanical Works of Energetic Compounds by the Cylinder Test. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1086-1090.	1.2	2
93	Reliable method for safety assessment of melting points of energetic compounds. Chemical Engineering Research and Design, 2016, 103, 10-22.	5.6	9
94	Design of optical filters and switches used in telecommunications and computer engineering. Photonic Network Communications, 2016, 31, 516-523.	2.7	2
95	Electro-oxidation of methanol catalysed by porous nanostructured Fe/Pd-Fe electrode in alkaline medium. Journal of the Iranian Chemical Society, 2016, 13, 815-822.	2.2	9
96	Stereochemistry and spectroscopic analysis of bis-Betti base derivatives of 2,3-dihydroxynaphthalene. Journal of Molecular Modeling, 2016, 22, 86.	1.8	1
97	A simple method for prediction of density of ionic liquids through their molecular structure. Journal of Molecular Liquids, 2016, 216, 732-737.	4.9	37
98	A simple and reliable method for prediction of flash point of alcohols based on their elemental composition and structural parameters. Chemical Engineering Research and Design, 2016, 102, 1-8.	5.6	27
99	Simple approach for predicting the heats of formation of high nitrogen content materials. Fluid Phase Equilibria, 2016, 415, 166-175.	2.5	21
100	The effect of metal oxide particle size on the thermal behavior and ignition kinetic of Mgâ€“CuO thermite mixture. Thermochimica Acta, 2016, 626, 1-8.	2.7	30
101	A novel approach for investigation of chemical aging in composite propellants through laser-induced breakdown spectroscopy (LIBS). Journal of Thermal Analysis and Calorimetry, 2016, 124, 279-286.	3.6	32
102	Reliable prediction of the condensed (solid or liquid) phase enthalpy of formation of organic energetic materials at 298ÂK through their molecular structures. Fluid Phase Equilibria, 2016, 408, 248-258.	2.5	33
103	A New Model for Prediction of One Electron Reduction Potential of Nitroaryl Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2641-2648.	1.2	6
104	Assessment of the Strength of Energetic Compounds Through the Trauzl Lead Block Expansions Using Their Molecular Structures. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2446-2451.	1.2	7
105	A New Method for Predicting Heats of Decomposition of Nitroaromatics. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1818-1823.	1.2	11
106	Two novel correlations for assessment of crystal density of hazardous ionic molecular energetic materials using their molecular structures. Fluid Phase Equilibria, 2015, 402, 1-8.	2.5	22
107	Effect of borax on the thermal and mechanical properties of ethyleneâ€propyleneâ€diene terpolymer rubberâ€based heat insulator. Journal of Applied Polymer Science, 2015, 132, .	2.6	26
108	Thermochemical and detonation performance of boron-nitride analogues of organic azides and benzotrifuroxan as novel high energetic nitrogen-rich precursors. Journal of the Iranian Chemical Society, 2015, 12, 1077-1087.	2.2	9

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109	A suitable computer code for prediction of sublimation energy and deflagration temperature of energetic materials. Journal of Thermal Analysis and Calorimetry, 2015, 121, 675-681.	3.6	13
110	Prediction of heats of sublimation of energetic compounds using their molecular structures. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1941-1951.	3.6	37
111	Thermochemical, Sensitivity and Detonation Characteristics of New Thermally Stable High Performance Explosives. Propellants, Explosives, Pyrotechnics, 2015, 40, 886-891.	1.6	14
112	Copperâ€“cobalt synergy in Cu_{1â^'x}Co_xFe₂O₄spinel ferrite as a highly efficient and regioselective nanocatalyst for the synthesis of 2,4-dinitrotoluene. RSC Advances, 2015, 5, 71911-71921.	3.6	22
113	A new approach for accurate prediction of toxicity of amino compounds. Journal of the Iranian Chemical Society, 2015, 12, 487-502.	2.2	16
114	Prediction of the Strength of Energetic Materials Using the Condensed and Gas Phase Heats of Formation. Propellants, Explosives, Pyrotechnics, 2015, 40, 551-557.	1.6	34
115	A New Computer Code for Prediction of Enthalpy of Fusion and Melting Point of Energetic Materials. Propellants, Explosives, Pyrotechnics, 2015, 40, 150-155.	1.6	18
116	New NHNO2 substituted borazine-based energetic materials with high detonation performance. Computational Materials Science, 2015, 97, 295-303.	3.0	21
117	Improved method for prediction of density of energetic compounds using their molecular structure. Structural Chemistry, 2015, 26, 455-466.	2.0	22
118	The synthesis and characterization of polyvinyl nitrate as an energetic polymer and study of its thermal behavior. Journal of Thermal Analysis and Calorimetry, 2015, 119, 613-618.	3.6	17
119	Performance Evaluation of Liquid Fuel 2-Dimethyl Amino Ethyl Azide (DMAZ) with Liquid Oxidizers. Journal of Energetic Materials, 2015, 33, 17-23.	2.0	15
120	Performance Assessment of Some Isomers of Saturated Polycyclic Hydrocarbons for Use as Jet Fuels. Propellants, Explosives, Pyrotechnics, 2015, 40, 309-314.	1.6	11
121	Simple approach for prediction of melting points of organic molecules containing hazardous peroxide bonds. Journal of the Iranian Chemical Society, 2015, 12, 587-598.	2.2	8
122	A novel method for risk assessment of electrostatic sensitivity of nitroaromatics through their activation energies of thermal decomposition. Journal of Thermal Analysis and Calorimetry, 2014, 115, 93-100.	3.6	25
123	A link between impact sensitivity of energetic compounds and their activation energies of thermal decomposition. Journal of Thermal Analysis and Calorimetry, 2014, 117, 423-432.	3.6	41
124	Prediction of the Brisance of Energetic Materials. Propellants, Explosives, Pyrotechnics, 2014, 39, 284-288.	1.6	16
125	Sensitivity of dimethyl amino ethyl azide (DMAZ) as a non-carcinogenic and high performance fuel to some external stimuli. Journal of Loss Prevention in the Process Industries, 2014, 29, 277-282.	3.3	15
126	Simple Method for Prediction of the Standard Gibbs Free Energy of Formation of Energetic Compounds. Propellants, Explosives, Pyrotechnics, 2014, 39, 815-818.	1.6	5

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127	Predicting Detonation Performance of CHNOFCl and Aluminized Explosives. Propellants, Explosives, Pyrotechnics, 2014, 39, 749-754.	1.6	24
128	Prediction of Sensitivity of Energetic Compounds with a New Computer Code. Propellants, Explosives, Pyrotechnics, 2014, 39, 95-101.	1.6	22
129	A group contribution method for estimation of glass-transition temperature of 1,3-dialkylimidazolium ionic liquids. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1363-1382.	3.6	22
130	Validation of improved simple method for prediction of activation energy of the thermal decomposition of energetic compounds. Journal of Thermal Analysis and Calorimetry, 2013, 114, 497-510.	3.6	27
131	A simple accurate model for prediction of deflagration temperature of energetic compounds. Journal of Thermal Analysis and Calorimetry, 2013, 112, 1453-1463.	3.6	43
132	An improved simple method for prediction of entropy of fusion of energetic compounds. Fluid Phase Equilibria, 2013, 340, 52-62.	2.5	14
133	Reliable method for prediction of the flash point of various classes of amines on the basis of some molecular moieties for safety measures in industrial processes. Journal of Loss Prevention in the Process Industries, 2013, 26, 650-659.	3.3	17
134	Simple and reliable prediction of toxicological activities of benzoic acid derivatives without using any experimental data or computer codes. Medicinal Chemistry Research, 2013, 22, 1238-1257.	2.4	18
135	A New Computer Code for Assessment of Energetic Materials with Crystal density, Condensed Phase Enthalpy of Formation, and Activation Energy of Thermolysis. Propellants, Explosives, Pyrotechnics, 2013, 38, 95-102.	1.6	33
136	Relationship between electric spark sensitivity and activation energy of the thermal decomposition of nitramines for safety measures in industrial processes. Journal of Loss Prevention in the Process Industries, 2013, 26, 1452-1456.	3.3	28
137	Reliable approach for prediction of heats of formation of polycyclic saturated hydrocarbons using recently developed density functionals. Computational and Theoretical Chemistry, 2013, 1011, 30-36.	2.5	19
138	Improved Approach to Predict the Power of Energetic Materials. Propellants, Explosives, Pyrotechnics, 2013, 38, 709-714.	1.6	18
139	Theoretical investigation of phase transformations and molecular surface properties of polycyclic saturated hydrocarbon isomers of JP-10. Computational and Theoretical Chemistry, 2013, 1006, 105-112.	2.5	13
140	A simple correlation for prediction of autoignition temperature of various classes of hydrocarbons. Journal of the Iranian Chemical Society, 2013, 10, 545-557.	2.2	16
141	A New General Correlation for Predicting Impact Sensitivity of Energetic Compounds. Propellants, Explosives, Pyrotechnics, 2013, 38, 754-760.	1.6	59
142	A simple accurate model for prediction of flash point temperature of pure compounds. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1005-1012.	3.6	20
143	Accurate prediction of the toxicity of benzoic acid compounds in mice via oral without using any computer codes. Journal of Hazardous Materials, 2012, 237-238, 79-101.	12.4	25
144	A Simple Way to Predict Heats of Detonation of Energetic Compounds only from Their Molecular Structures. Propellants, Explosives, Pyrotechnics, 2012, 37, 93-99.	1.6	14

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145	Predicting Maximum Attainable Detonation Velocity of CHNOF and Aluminized Explosives. Propellants, Explosives, Pyrotechnics, 2012, 37, 489-497.	1.6	15
146	Improved method for reliable predicting enthalpy of fusion of energetic compounds. Fluid Phase Equilibria, 2012, 326, 1-14.	2.5	18
147	Preparation of Nano-K-6 (Nano-Keto RDX) and Determination of Its Characterization and Thermolysis. Journal of Energetic Materials, 2011, 29, 115-126.	2.0	16
148	Reducing Dangerous Effects of Unsymmetrical Dimethyl Hydrazine as a Liquid Propellant by Addition of Hydroxyethylhydrazine, Part II, Performance with Several Oxidizers. Journal of Energetic Materials, 2011, 29, 228-240.	2.0	9
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