

# Abbas Eslami

## List of Publications by Year in descending order

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34  
papers

549  
citations

566801

15  
h-index

642321

23  
g-index

34  
all docs

34  
docs citations

34  
times ranked

487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of ammonium perchlorate/copper-chromium oxides core-shell nanocomposites for catalytic thermal decomposition of ammonium perchlorate. <i>Materials Chemistry and Physics</i> , 2016, 181, 12-20.	2.0	66
2	Improvement of thermal decomposition properties of ammonium perchlorate particles using some polymer coating agents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 721-730.	2.0	48
3	Thermoanalytical investigation on some boron-fuelled binary pyrotechnic systems. <i>Fuel</i> , 2008, 87, 3339-3343.	3.4	44
4	Thermoanalytical investigation of relative reactivity of some nitrate oxidants in tin-fueled pyrotechnic systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 1111-1119.	2.0	39
5	Investigation of catalytic activity of ZnAl <sub>2</sub> O <sub>4</sub> and ZnMn <sub>2</sub> O <sub>4</sub> nanoparticles in the thermal decomposition of ammonium perchlorate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 115-124.	2.0	36
6	The effect of microencapsulation with nitrocellulose on thermal properties of sodium azide particles. <i>Progress in Organic Coatings</i> , 2009, 65, 269-274.	1.9	29
7	Synthesis of nickel oxide nanorods by Aloe vera leaf extract. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 913-923.	2.0	26
8	Improving safety performance of lactose-fueled binary pyrotechnic systems of smoke dyes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 671-678.	2.0	23
9	A new boronic acid fluorescent sensor based on fluorene for monosaccharides at physiological pH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 53-60.	2.0	23
10	Thermoanalytical study of linkage isomerism in coordination compounds. <i>Thermochimica Acta</i> , 2004, 409, 189-193.	1.2	22
11	Green synthesis of ZnCo <sub>2</sub> O <sub>4</sub> nanoparticles by Aloe albiflora extract and its application as catalyst on the thermal decomposition of ammonium perchlorate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1327-1333.	2.0	21
12	Synthesis and Characterization of CuO Nanoparticles by the Chemical Liquid Deposition Method and Investigation of its Catalytic Effect on the Thermal Decomposition of Ammonium Perchlorate. <i>Central European Journal of Energetic Materials</i> , 2017, 14, 152-168.	0.5	21
13	Orthogonal array design method for optimization experiments of sodium azide microencapsulation with stearic acid. <i>Progress in Organic Coatings</i> , 2010, 68, 313-318.	1.9	20
14	Spectral investigations of the solution properties of 5,10,15,20-tetrakis(4-N-benzyl-pyridyl)porphyrin (TBzPyP) and its interaction with human serum albumin (HSA). <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 225-232.	0.4	15
15	Stabilization of ammonium azide particles through its microencapsulation with some organic coating agents. <i>Powder Technology</i> , 2011, 208, 137-143.	2.1	15
16	Organic Based Additives Impact on Thermal Behavior of Ammonium Perchlorate: Superior 4,4'-Bipyridine Versus Inferior Biphenyl. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 1227-1239.	1.0	13
17	Investigation on the Reaction of Powdered Tin as a Metallic Fuel with Some Pyrotechnic Oxidizers. <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 175-181.	1.0	12
18	Sensitization of magnetic TiO <sub>2</sub> with copper(II) tetrahydroxylphenyl porphyrin for photodegradation of methylene blue by visible LED light. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4705-4715.	1.1	10

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19	Thermoanalytical study of linkage isomerism in coordination compounds. Part III: A DSC study on the effect of counterion on the solid state isomerization of nitro and nitrito linkage isomers of pentaamminecobalt(III) complexes. <i>Thermochimica Acta</i> , 2014, 575, 114-121.	1.2	9
20	Thermoanalytical study of linkage isomerism in coordination compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 193-201.	2.0	7
21	Direct synthesis of Zn(II) and Cu(II) coordination polymers based on 4,4'-bipyridine and 1,10-phenanthroline and evaluating their effects as catalyst on ammonium perchlorate thermal decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1779-1789.	2.0	7
22	Thermoanalytical study of linkage isomerism in coordination compounds. Part 5: A DSC and DFT study on the linkage isomerization of the dinitrito and dinitro isomers of cis-tetraamminecobalt(III) complexes. <i>Polyhedron</i> , 2015, 85, 412-428.	1.0	6
23	IS SULFUR DICHLORIDE UNSTABLE? A Direct Experimental Answer. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 116, 269-281.	0.8	5
24	A Differential Scanning Calorimetry and Theoretical Study on the Isomerization of trans-[Co(cyclam)(ONO) <sub>2</sub> ] <sub>2</sub> X (X = PF <sub>6</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup> ). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4788-4802.	1.0	5
25	Synthesis, crystal structure, DFT calculation and DNA binding studies of new water-soluble derivatives of dppz. <i>Journal of Molecular Structure</i> , 2017, 1145, 141-151.	1.8	5
26	Synthesis, crystal structure and DNA interaction of a new water-soluble derivative of pyrazino[2,3-f][1,10] phenanthroline; theoretical calculations, experimental and molecular docking studies. <i>Journal of Molecular Structure</i> , 2018, 1165, 267-275.	1.8	4
27	Spectroscopic, thermodynamic and molecular docking studies on the interaction of two water-soluble asymmetric cationic porphyrins with calf thymus DNA. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1327-1343.	1.2	4
28	The exploration of the influence of microencapsulation processing parameters on the stabilization of ammonium azide particles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 455-466.	2.0	3
29	Thermoanalytical Study of Linkage Isomerism in Coordination Compounds. Part 7. A DSC and DFT Investigation of Solid-state Linkage Isomerization in Bis(thiocyanato)-bipyridineplatinum(II) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1131-1138.	0.6	3
30	A combined theoretical and thermal analysis study on the solid state linkage isomerization of Ni(II)-nitrite complexes with ethylenediamine derivatives. <i>Journal of Coordination Chemistry</i> , 2017, 70, 2294-2312.	0.8	3
31	Photocatalytic degradation of methylene blue in aqueous solution by magnetic ZnMn <sub>2</sub> O <sub>4</sub> @copper porphyrin nanocomposite. <i>Journal of the Iranian Chemical Society</i> , 0, , 1.	1.2	3
32	Thermoanalytical Investigation of Some Binary Pyrotechnic Mixtures of Ammonium Azide as Chemical Gas Generating Systems. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 725-731.	1.0	1
33	Removal of Lead by Tetra Hydroxyl Phenyl Porphyrin-Linked Magnetic Nanoparticles: Process Optimization by Using Taguchi Design Method. <i>Journal of Electronic Materials</i> , 2020, 49, 743-751.	1.0	1
34	Evidence of Long-Range <sup>13</sup> C- <sup>31</sup> P Couplings: A <sup>13</sup> C NMR Investigation of Some Aryl Esters of Phosphor-Amidochloridic Acid and the Related Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 147, 233-233.	0.8	0