

Victor Abdelsayed

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,638
citations

623188

14
h-index

713013

21
g-index

21
all docs

21
docs citations

21
times ranked

2761
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave synthesis of graphene sheets supporting metal nanocrystals in aqueous and organic media. <i>Journal of Materials Chemistry</i> , 2009, 19, 3832.	6.7	511
2	Metallic and bimetallic nanocatalysts incorporated into highly porous coordination polymer MIL-101. <i>Journal of Materials Chemistry</i> , 2009, 19, 7625.	6.7	277
3	Photothermal Deoxygenation of Graphite Oxide with Laser Excitation in Solution and Graphene-Aided Increase in Water Temperature. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2804-2809.	2.1	267
4	Effect of Fe and Zn promoters on Mo/HZSM-5 catalyst for methane dehydroaromatization. <i>Fuel</i> , 2015, 139, 401-410.	3.4	96
5	Microwave-assisted pyrolysis of Mississippi coal: A comparative study with conventional pyrolysis. <i>Fuel</i> , 2018, 217, 656-667.	3.4	96
6	Synthesis, characterization, and catalytic activity of Rh-based lanthanum zirconate pyrochlores for higher alcohol synthesis. <i>Catalysis Today</i> , 2013, 207, 65-73.	2.2	56
7	Investigation of the stability of Zn-based HZSM-5 catalysts for methane dehydroaromatization. <i>Applied Catalysis A: General</i> , 2015, 505, 365-374.	2.2	53
8	Laser synthesis of bimetallic nanoalloys in the vapor and liquid phases and the magnetic properties of PdM and PtM nanoparticles (M = Fe, Co and Ni). <i>Faraday Discussions</i> , 2008, 138, 163-180.	1.6	50
9	Vapor Phase Homogeneous Nucleation of Higher Alkanes: Dodecane, Hexadecane, and Octadecane. 1. Critical Supersaturation and Nucleation Rate Measurements. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11866-11872.	1.2	36
10	Vapor-phase synthesis of metallic and intermetallic nanoparticles and nanowires: Magnetic and catalytic properties. <i>Pure and Applied Chemistry</i> , 2006, 78, 1667-1689.	0.9	36
11	Vapor Phase Growth and Assembly of Metallic, Intermetallic, Carbon, and Silicon Nanoparticle Filaments. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2882-2886.	1.2	26
12	Catalytic direct conversion of ethane to value-added chemicals under microwave irradiation. <i>Catalysis Today</i> , 2020, 356, 3-10.	2.2	24
13	Comparative evaluation of microwave and conventional gasification of different coal types: Experimental reaction studies. <i>Fuel</i> , 2022, 321, 124055.	3.4	23
14	Effect of Microwave and Thermal Co-pyrolysis of Low-Rank Coal and Pine Wood on Product Distributions and Char Structure. <i>Energy & Fuels</i> , 2019, 33, 7069-7082.	2.5	22
15	Catalytic conversion of CO ₂ to propylene carbonate over Pt-decorated Mg-substituted metal organic framework. <i>Applied Catalysis A: General</i> , 2019, 586, 117225.	2.2	15
16	Vapor phase nucleation on neutral and charged nanoparticles: Condensation of supersaturated trifluoroethanol on Mg nanoparticles. <i>Journal of Chemical Physics</i> , 2007, 126, 024706.	1.2	13
17	Rapid synthesis of magnetic/luminescent (Fe ₃ O ₄ /CdSe) nanocomposites by microwave irradiation. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	13
18	Microwave-Assisted Conversion of Low Rank Coal under Methane Environment. <i>Energy & Fuels</i> , 2019, 33, 905-915.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Differential mobility analysis of nanoparticles generated by laser vaporization and controlled condensation (LVCC). <i>Journal of Nanoparticle Research</i> , 2006, 8, 361-369.	0.8	7
20	Direct observation of metal nanoparticles as heterogeneous nuclei for the condensation of supersaturated organic vapors: Nucleation of size-selected aluminum nanoparticles in acetonitrile and n-hexane vapors. <i>Journal of Chemical Physics</i> , 2014, 141, 054710.	1.2	5
21	Zeolites interactions with microwaves during methane non-oxidative coupling. <i>Catalysis Today</i> , 2021, 365, 88-102.	2.2	4