Kehe Su

List of Publications by Year
in descending order

33	893	840776 11	454955 30
papers	citations	h-index	g-index

34	34	34	1111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of yolkâ€“shell Fe3O4@N-doped carbon nanochains as highly effective microwave-absorption material. Nano Research, 2018, 11, 1500-1519.	10.4	321
2	Theoretical investigation on the decomposition reaction mechanisms and kinetics of methyl vinyl ether initialized by OH radical. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	2
3	A Density Functional Theory Study on Si Atom Doped (4, 4) and (5, 5) Carbon Nanotubes with Different Concentrations. Journal of Nanoscience and Nanotechnology, 2017, 17, 3824-3828.	0.9	0
4	Well-Defined Coreâ€“Shell Fe₃O₄@Polypyrrole Composite Microspheres with Tunable Shell Thickness: Synthesis and Their Superior Microwave Absorption Performance in the Ku Band. Industrial & Engineering Chemistry Research, 2016, 55, 6263-6275.	3.7	129
5	Thermodynamic study of the chemical vapor deposition in the SiCl3CH3â€“NH3â€“H2 system. Chemical Physics Letters, 2015, 623, 29-36.	2.6	3
6	Hierarchically porous siliconâ€“carbonâ€“nitrogen hybrid materials towards highly efficient and selective adsorption of organic dyes. Scientific Reports, 2015, 5, 7910.	3.3	144
7	Decomposition reaction rate of BCl3â€“CH4â€“H2 in the gas phase. Theoretical Chemistry Accounts, 2015, 134, 1.	1.4	4
8	Hydrogen abstraction mechanisms and reaction rates of toluene+NO3. Journal of Molecular Modeling, 2015, 21, 207.	1.8	4
9	Thermodynamic study on the chemical vapor deposition of silicon nitride from the SiCl4â€“NH3â€“H2 system. Computational and Theoretical Chemistry, 2015, 1051, 93-103.	2.5	3
10	Thermodynamic study on the chemical vapor deposition of boron nitride from the BCl3â€“NH3â€“H2 system. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	4
11	First-principles study of the properties of Li, Al and Cd doped Mg alloys. Journal of Alloys and Compounds, 2014, 596, 63-68.	5.5	22
12	Thermodynamics investigation of the gas-phase reactions in the chemical vapor deposition of silicon borides with BCl3â€“SiCl4â€“H2 precursors. Structural Chemistry, 2014, 25, 1369-1384.	2.0	3
13	Size-selective effects in the geometry and electronic property of bimetallic Auâ€“Ge nanoclusters. Computational and Theoretical Chemistry, 2013, 1010, 32-37.	2.5	23
14	NEW REACTION PATHWAYS OF PROPENE + BCl₃ DECOMPOSITION IN CHEMICAL VAPOR DEPOSITION PROCESS. Journal of Theoretical and Computational Chemistry, 2012, 11, 53-85.	1.8	6
15	Decomposition Reaction Rate of BCl₃â€“C₃H₆(propene)â€“H₂ in the Gas Phase. Journal of Physical Chemistry A, 2012, 116, 6955-6966.	2.5	3
16	Reaction paths of BCl3Â+ÂCH4Â+ÂH2 in the chemical vapor deposition process. Structural Chemistry, 2012, 23, 1677-1692.	2.0	5
17	Thermodynamic study on co-deposition of ZrB2â€“SiC from ZrCl4â€“BCl3â€“CH3SiCl3â€“H2â€“Ar system. Thin Solid Films, 2012, 520, 7030-7034.	1.8	8
18	A density functional theory study on the most stable ultra long Bâ€“N co-doped (5,5) single walled carbon nanotubes. Chemical Physics Letters, 2012, 532, 90-95.	2.6	2

#	Article	IF	Citations
19	Initial decomposition of methyltrichlorosilane in the chemical vapor deposition of silicon-carbide. Computational and Theoretical Chemistry, 2011, 967, 265-272.	2.5	5
20	Reaction rate of propene pyrolysis. Journal of Computational Chemistry, 2011, 32, 2745-2755.	3.3	5
21	An investigation of the lowest reaction pathway of propeneÂ+ÂBCl3 decomposition in chemical vapor deposition process. Theoretical Chemistry Accounts, 2010, 127, 519-538.	1.4	9
22	Reaction pathways of propene pyrolysis. Journal of Computational Chemistry, 2010, 31, 1421-1442.	3.3	7
23	Thermodynamics of the Production of Condensed Phases in the CVD of Methyltrichlorosilane Pyrolysis. Chemical Vapor Deposition, 2009, 15, 281-290.	1.3	8
24	Electronic structure of SiC (310) twin boundary doped with B, N, Al and Ti. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 599-602.	1.0	0
25	Thermodynamics of the gas-phase reactions in chemical vapor deposition of silicon carbide with methyltrichlorosilane precursor. Theoretical Chemistry Accounts, 2009, 122, 1-22.	1.4	32
26	Investigation of thermodynamic properties of gaseous SiC(XÂ and aÂ) with accurate model chemistry calculations. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5440-5456.	2.6	14
27	Thermodynamic investigation of the gas-phase reactions in the chemical vapor deposition of boron carbide with BCl3â€“CH4â€“H2 precursors. Computational and Theoretical Chemistry, 2008, 861, 103-116.	1.5	25
28	REACTION THERMODYNAMICS IN CHEMICAL VAPOR DEPOSITION OF BORON CARBIDES WITH BCl₃â€“C₃H₆ (PROPENE)-H₂ PRECURSORS. Journal of Theoretical and Computational Chemistry, 2008, 07, 1269-1312.	1.8	12
29	Gas-phase reaction thermodynamics in preparation of pyrolytic carbon by propylene pyrolysis. Computational Materials Science, 2007, 40, 504-524.	3.0	11
30	Properties of He@C60 studied via structure distortions. Chemical Physics, 2007, 331, 309-320.	1.9	13
31	Evaluation of the Thermodynamic Data of CH3SiCl3 Based on Quantum Chemistry Calculations. Journal of Physical and Chemical Reference Data, 2006, 35, 1385-1390.	4.2	50
32	An adjustable contracted CI method. Science in China Series B: Chemistry, 1999, 42, 649-655.	0.8	2
33	A method to fast determine the coupling coefficients in CI calculation. Science in China Series B: Chemistry, 1999, 42, 43-52.	0.8	11