Jian Dong

List of Publications by Year in descending order

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30	1,245	567281 15	477307 29
papers	citations	h-index	g-index

30	30	30	1874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetic Inhibition of Clathrate Hydrate by Copolymers Based on N-Vinylcaprolactam and N-Acryloylpyrrolidine: Optimization Effect of Interfacial Nonfreezable Water of Polymers. Langmuir, 2022, 38, 1522-1532.	3.5	9
2	Unraveling Amphiphilic Poly(N-vinylcaprolactam)/Water Interface by Nuclear Magnetic Resonance Relaxometry: Control of Clathrate Hydrate Formation Kinetics. Langmuir, 2022, 38, 4774-4784.	3.5	3
3	Synthesis and Biopharmaceutical Applications of Sugar-Based Polymers: New Advances and Future Prospects. ACS Biomaterials Science and Engineering, 2021, 7, 963-982.	5.2	12
4	Polymer hydrogel confined palladium nanoparticles as recyclable catalysts for Suzuki and Heck cross-coupling reactions. Chinese Chemical Letters, 2020, 31, 1630-1634.	9.0	10
5	Dependence of the Kinetic Hydrate Inhibition Effect of Poly(N-vinylpyrrolidone) upon the Molecular Weight Is Influenced by Water Mobility in Millisecond Dynamics. Energy & Fuels, 2020, 34, 13664-13672.	5.1	9
6	The clinical value of Delphian lymph node metastasis in papillary thyroid carcinoma. Asian Journal of Surgery, 2020, 43, 1180-1181.	0.4	1
7	Controlling water dynamics for kinetic inhibition of clathrate hydrate. Fuel, 2020, 271, 117588.	6.4	6
8	Hydrophobic hydration affects growth of clathrate hydrate: insight from an NMR relaxometric and calorimetric study. Chemical Communications, 2019, 55, 2936-2939.	4.1	12
9	Overview of Cantharidin and its Analogues. Current Medicinal Chemistry, 2018, 25, 2034-2044.	2.4	71
10	Amphiphilic Optimization Enables Polyaspartamides with Effective Kinetic Inhibition of Tetrahydrofuran Hydrate Formation: Structureâ€“Property Relationships. ACS Sustainable Chemistry and Engineering, 2018, 6, 13532-13542.	6.7	20
11	Poly(glucono-Î´-lactone) based nanocarriers as novel biodegradable drug delivery platforms. International Journal of Pharmaceutics, 2017, 526, 137-144.	5.2	7
12	Supramolecular self-assembly of a polyelectrolyte chain based on step-growth polymerization of hydrophobic and hydrophilic monomers. RSC Advances, 2017, 7, 52832-52840.	3.6	3
13	Studies of relationship between polymer structure and hydration environment in amphiphilic polytartaramides. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 138-145.	2.1	17
14	Ni-polymer nanogel hybrid particles: A new strategy for hydrogen production from the hydrolysis of dimethylamine-borane and sodium borohydride. Energy, 2016, 99, 129-135.	8.8	50
15	Kinetic Hydrate Inhibitors: Structureâ€“Activity Relationship Studies on a Series of Branched Poly(ethylene citramide)s with Varying Lipophilic Groups. Energy & Fuels, 2015, 29, 4774-4782.	5.1	20
16	Preparation of aqueous soluble polyamides from renewable succinic acid and citric acid as a new approach to design bioâ€inspired polymers. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
17	Polymer hydrogel supported Pdâ€“Niâ€“B nanoclusters as robust catalysts for hydrogen production from hydrolysis of sodium borohydride. International Journal of Hydrogen Energy, 2013, 38, 9206-9216.	7.1	30
18	Solventâ€free polymerization of citric acid and hexamethylenediamine for novel carboxylated polyamides. Journal of Polymer Science Part A, 2012, 50, 3819-3829.	2.3	9

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19	A thioester substrate binds to the enzyme Arthrobacter thioesterase in two ionization states: evidence from Raman difference spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 65-71.	2.5	8
20	Pd nanoparticles encaged in nanoporous interpenetrating polymer networks: A robust recyclable catalyst for Heck reactions. Reactive and Functional Polymers, 2011, 71, 756-765.	4.1	44
21	Studies of UV crosslinked poly(N-vinylpyrrolidone) hydrogels by FTIR, Raman and solid-state NMR spectroscopies. Polymer, 2010, 51, 3054-3063.	3.8	69
22	Raman evidence for product binding to the enzyme W137F 4-chlorobenzoyl-CoA dehalogenase in two conformational states. Journal of Raman Spectroscopy, 2005, 36, 320-325.	2.5	2
23	The Strength of Dehalogenaseâ^'Substrate Hydrogen Bonding Correlates with the Rate of Meisenheimer Intermediate Formationâ€. Biochemistry, 2003, 42, 9482-9490.	2.5	18
24	Metal Binding and Oxidation of Amyloid-Î² within Isolated Senile Plaque Cores:Â Raman Microscopic Evidenceâ€. Biochemistry, 2003, 42, 2768-2773.	2.5	543
25	In Situ Iridium LIII-Edge X-ray Absorption and Surface Enhanced Raman Spectroscopy of Electrodeposited Iridium Oxide Films in Aqueous Electrolytes. Journal of Physical Chemistry B, 2002, 106, 3681-3686.	2.6	104
26	Probing Inhibitors Binding to Human Urokinase Crystals by Raman Microscopy:Â Implications for Compound Screeningâ€. Biochemistry, 2001, 40, 9751-9757.	2.5	22
27	Raman difference spectroscopic studies of dithiobenzoyl substrate and product analogs binding to the enzyme dehalogenase: ?-electron polarization is prevented by the C?O to C?S substitution. Journal of Raman Spectroscopy, 2000, 31, 365-371.	2.5	12
28	Raman Spectroscopy of Uracil DNA Glycosylaseâ^'DNA Complexes:Â Insights into DNA Damage Recognition and Catalysisâ€. Biochemistry, 2000, 39, 13241-13250.	2.5	51
29	Using Raman Spectroscopy To Monitor the Solvent-Exposed and â€œBuriedâ€•Forms of Flavin in p-Hydroxybenzoate Hydroxylase. Biochemistry, 1999, 38, 16727-16732.	2.5	52
30	Modulating Electron Density in the Bound Product, 4-Hydroxybenzoyl-CoA, by Mutations in 4-Chlorobenzoyl-CoA Dehalogenase Near the 4-Hydroxy Groupâ€. Biochemistry, 1999, 38, 4198-4206.	2.5	26