

# Jian Dong

## List of Publications by Year in descending order

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30  
papers

1,245  
citations

567281

15  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1874  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Binding and Oxidation of Amyloid- $\beta^2$ within Isolated Senile Plaque Cores: A Raman Microscopic Evidence. <i>Biochemistry</i> , 2003, 42, 2768-2773.	2.5	543
2	In Situ Iridium LIII-Edge X-ray Absorption and Surface Enhanced Raman Spectroscopy of Electrodeposited Iridium Oxide Films in Aqueous Electrolytes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3681-3686.	2.6	104
3	Overview of Cantharidin and its Analogues. <i>Current Medicinal Chemistry</i> , 2018, 25, 2034-2044.	2.4	71
4	Studies of UV crosslinked poly(N-vinylpyrrolidone) hydrogels by FTIR, Raman and solid-state NMR spectroscopies. <i>Polymer</i> , 2010, 51, 3054-3063.	3.8	69
5	Using Raman Spectroscopy To Monitor the Solvent-Exposed and "Buried" Forms of Flavin in p-Hydroxybenzoate Hydroxylase. <i>Biochemistry</i> , 1999, 38, 16727-16732.	2.5	52
6	Raman Spectroscopy of Uracil DNA Glycosylase~DNA Complexes: Insights into DNA Damage Recognition and Catalysis. <i>Biochemistry</i> , 2000, 39, 13241-13250.	2.5	51
7	Ni-polymer nanogel hybrid particles: A new strategy for hydrogen production from the hydrolysis of dimethylamine-borane and sodium borohydride. <i>Energy</i> , 2016, 99, 129-135.	8.8	50
8	Pd nanoparticles encaged in nanoporous interpenetrating polymer networks: A robust recyclable catalyst for Heck reactions. <i>Reactive and Functional Polymers</i> , 2011, 71, 756-765.	4.1	44
9	Polymer hydrogel supported Pd~Ni~B nanoclusters as robust catalysts for hydrogen production from hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9206-9216.	7.1	30
10	Modulating Electron Density in the Bound Product, 4-Hydroxybenzoyl-CoA, by Mutations in 4-Chlorobenzoyl-CoA Dehalogenase Near the 4-Hydroxy Group. <i>Biochemistry</i> , 1999, 38, 4198-4206.	2.5	26
11	Probing Inhibitors Binding to Human Urokinase Crystals by Raman Microscopy: Implications for Compound Screening. <i>Biochemistry</i> , 2001, 40, 9751-9757.	2.5	22
12	Kinetic Hydrate Inhibitors: Structure~Activity Relationship Studies on a Series of Branched Poly(ethylene citramide)s with Varying Lipophilic Groups. <i>Energy &amp; Fuels</i> , 2015, 29, 4774-4782.	5.1	20
13	Amphiphilic Optimization Enables Polyaspartamides with Effective Kinetic Inhibition of Tetrahydrofuran Hydrate Formation: Structure~Property Relationships. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13532-13542.	6.7	20
14	The Strength of Dehalogenase~Substrate Hydrogen Bonding Correlates with the Rate of Meisenheimer Intermediate Formation. <i>Biochemistry</i> , 2003, 42, 9482-9490.	2.5	18
15	Studies of relationship between polymer structure and hydration environment in amphiphilic polytartaramides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 138-145.	2.1	17
16	Raman difference spectroscopic studies of dithiobenzoyl substrate and product analogs binding to the enzyme dehalogenase: $\pi$ -electron polarization is prevented by the C=O to C=S substitution. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 365-371.	2.5	12
17	Hydrophobic hydration affects growth of clathrate hydrate: insight from an NMR relaxometric and calorimetric study. <i>Chemical Communications</i> , 2019, 55, 2936-2939.	4.1	12
18	Synthesis and Biopharmaceutical Applications of Sugar-Based Polymers: New Advances and Future Prospects. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 963-982.	5.2	12

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19	Polymer hydrogel confined palladium nanoparticles as recyclable catalysts for Suzuki and Heck cross-coupling reactions. <i>Chinese Chemical Letters</i> , 2020, 31, 1630-1634.	9.0	10
20	Solvent-free polymerization of citric acid and hexamethylenediamine for novel carboxylated polyamides. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3819-3829.	2.3	9
21	Dependence of the Kinetic Hydrate Inhibition Effect of Poly( <i>N</i> -vinylpyrrolidone) upon the Molecular Weight Is Influenced by Water Mobility in Millisecond Dynamics. <i>Energy &amp; Fuels</i> , 2020, 34, 13664-13672.	5.1	9
22	Kinetic Inhibition of Clathrate Hydrate by Copolymers Based on <i>N</i> -Vinylcaprolactam and <i>N</i> -Acryloylpyrrolidine: Optimization Effect of Interfacial Nonfreezable Water of Polymers. <i>Langmuir</i> , 2022, 38, 1522-1532.	3.5	9
23	A thioester substrate binds to the enzyme <i>Arthrobacter</i> thioesterase in two ionization states: evidence from Raman difference spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 65-71.	2.5	8
24	Poly(glucono- $\gamma$ -lactone) based nanocarriers as novel biodegradable drug delivery platforms. <i>International Journal of Pharmaceutics</i> , 2017, 526, 137-144.	5.2	7
25	Controlling water dynamics for kinetic inhibition of clathrate hydrate. <i>Fuel</i> , 2020, 271, 117588.	6.4	6
26	Preparation of aqueous soluble polyamides from renewable succinic acid and citric acid as a new approach to design bio-inspired polymers. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	5
27	Supramolecular self-assembly of a polyelectrolyte chain based on step-growth polymerization of hydrophobic and hydrophilic monomers. <i>RSC Advances</i> , 2017, 7, 52832-52840.	3.6	3
28	Unraveling Amphiphilic Poly( <i>N</i> -vinylcaprolactam)/Water Interface by Nuclear Magnetic Resonance Relaxometry: Control of Clathrate Hydrate Formation Kinetics. <i>Langmuir</i> , 2022, 38, 4774-4784.	3.5	3
29	Raman evidence for product binding to the enzyme W137F 4-chlorobenzoyl-CoA dehalogenase in two conformational states. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 320-325.	2.5	2
30	The clinical value of Delphian lymph node metastasis in papillary thyroid carcinoma. <i>Asian Journal of Surgery</i> , 2020, 43, 1180-1181.	0.4	1