Yang Sun

List of Publications by Year
in descending order

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54 papers	2,065 citations	471371 17 h-index	233338 45 g-index
54 all docs	54 docs citations	54 times ranked	3357 citing authors

#	Article	IF	Citations
1	A study on energy-saving optimization strategy for the stone processing industryâ€”an improved method for modeling cutting power and energy consumption: A case study of block sawing process. Journal of Cleaner Production, 2021, 300, 126922.	4.6	8
2	Unveiling the structure of the primary caseinate particle using small-angle X-ray scattering and simulation methodologies. Food Research International, 2021, 149, 110653.	2.9	9
3	Enhancing the operational flexibility of thermal power plants by coupling high-temperature power-to-gas. Applied Energy, 2020, 263, 114608.	5.1	24
4	A theoretical and experimental investigation of the effect of sodium dodecyl sulfate on the structural and conformational properties of bovine Î²-casein. Soft Matter, 2019, 15, 1551-1561.	1.2	11
5	Clinical outcomes after ticagrelor and clopidogrel in Chinese post-stented patients. Atherosclerosis, 2019, 290, 52-58.	0.4	18
6	Direct Measurement of Length Scale Dependence of the Hydrophobic Free Energy of a Single Collapsed Polymer Nanosphere. Physical Review Letters, 2019, 122, 047801.	2.9	21
7	A comprehensive thermodynamic analysis of loadâ€flexible <scp>CHP</scp> plants using district heating network. International Journal of Energy Research, 2019, 43, 4613-4629.	2.2	16
8	How much can we trust polysorbates as food protein stabilizers - The case of bovine casein. Food Hydrocolloids, 2019, 96, 81-92.	5.6	15
9	A comprehensive analysis of a thermal energy storage concept based on low-rank coal pre-drying for reducing the minimum load of coal-fired power plants. Applied Thermal Engineering, 2019, 156, 77-90.	3.0	31
10	Infrared Small-Faint Target Detection Using Non-i.i.d. Mixture of Gaussians and Flux Density. Remote Sensing, 2019, 11, 2831.	1.8	10
11	A thermodynamic analysis and economic evaluation of an integrated lignite upgrading and power generation system. Applied Thermal Engineering, 2018, 135, 356-367.	3.0	13
12	Sulfate dodecyl sodium-induced stability of a model intrinsically disordered protein, bovine casein. Food Hydrocolloids, 2018, 82, 19-28.	5.6	14
13	POTRA Domains, Extracellular Lid, and Membrane Composition Modulate the Conformational Stability of the Î² Barrel Assembly Factor BamA. Structure, 2018, 26, 987-996.e3.	1.6	9
14	Synthesis and photophysical properties of deuteration of pirfenidone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 88-98.	2.0	5
15	Synthesis of cyclopropa[c]indeno[1,2-b]quinolines through a MCR/Staudinger/aza-Wittig sequence. Synthetic Communications, 2017, 47, 1368-1374.	1.1	5
16	Mg²⁺â€Dependent High Mechanical Anisotropy of Threeâ€Wayâ€Junction pRNA as Revealed by Singleâ€Molecule Force Spectroscopy. Angewandte Chemie, 2017, 129, 9504-9508.	1.6	4
17	Mg²⁺â€Dependent High Mechanical Anisotropy of Threeâ€Wayâ€Junction pRNA as Revealed by Singleâ€Molecule Force Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 9376-9380.	7.2	20
18	Directional mechanical stability of Bacteriophage Ï†29 motorâ€™s 3WJ-pRNA: Extraordinary robustness along portal axis. Science Advances, 2017, 3, e1601684.	4.7	17

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19	Centrifugation-induced fibrous orientation in fish-sourced collagen matrices. Soft Matter, 2017, 13, 9220-9228.	1.2	15
20	Î±-Lactalbumin and sodium dodecyl sulfate aggregates: Denaturation, complex formation and time stability. Food Hydrocolloids, 2017, 62, 10-20.	5.6	21
21	Review of Characteristics, Pharmacology, Determination and Pharmacokinetics of Rhaponticin. Mini-Reviews in Organic Chemistry, 2017, 14, 24-34.	0.6	5
22	Study of the binding and energy transfer of erbium ion with rhaponticin and its pharmacokinetics application. Luminescence, 2016, 31, 1251-1258.	1.5	3
23	A highly stretchable autonomous self-healing elastomer. Nature Chemistry, 2016, 8, 618-624.	6.6	1,133
24	A Highly Stretchable and Autonomous Selfâ€Healing Polymer Based on Combination of PtÂ·Â·Â·Pt and Ï€â€“Ï€ Interactions. Macromolecular Rapid Communications, 2016, 37, 1667-1675.	2.0	199
25	Optimal energy use of the collector tube in solar power tower plant. Renewable Energy, 2016, 93, 525-535.	4.3	2
26	Structural Insights and the Surprisingly Low Mechanical Stability of the Auâ€“S Bond in the Gold-Specific Protein GolB. Journal of the American Chemical Society, 2015, 137, 15358-15361.	6.6	48
27	Mechanics of single peptide hydrogelator fibrils. Nanoscale, 2015, 7, 5638-5642.	2.8	9
28	Unfolding and folding pathway of lysozyme induced by sodium dodecyl sulfate. Soft Matter, 2015, 11, 7769-7777.	1.2	35
29	Study of Interaction Between Sodium Fluorescein and Human Serum Albumin by Multi-Spectroscopic Method. Asian Journal of Chemistry, 2014, 26, 521-526.	0.1	1
30	4â€alkoxyethoxyâ€Nâ€octadecylâ€1,8â€naphthalimide fluorescent sensor for human serum albumin and other major blood proteins: design, synthesis and solvent effect. Luminescence, 2013, 28, 318-326.	1.5	4
31	Studies on the Aggregation-Induced Synchronous Emission of 1,8-Naphthalimide Derivative to Casein and Its Analytic Application. Food Analytical Methods, 2013, 6, 1253-1257.	1.3	6
32	Synthesis and biological evaluation of a folate-targeted rhaponticin conjugate. Bioorganic and Medicinal Chemistry, 2013, 21, 178-185.	1.4	8
33	Folate-functionalized nanoparticles for controlled ergosta-4,6,8(14),22-tetraen-3-one delivery. International Journal of Pharmaceutics, 2013, 441, 1-8.	2.6	15
34	Study on photophysical and aggregation induced emission recognition of 1,8-naphthalimide probe for casein by spectroscopic method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 108, 8-13.	2.0	17
35	Studies on the photophysical properties of 1,8-naphthalimide derivative and aggregation induced emission recognition for casein. Journal of Luminescence, 2013, 141, 93-98.	1.5	15
36	A highly selective 1,8-naphthalimide probe for recognition of casein based on aggregation induced emission enhancement characteristics. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 253, 81-87.	2.0	12

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37	Solvent effects on the absorption and fluorescence spectra of rhaponticin: Experimental and theoretical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 102, 194-199.	2.0	20
38	A simple and rapid spectrofluorimetric method for determining the pharmacokinetics and metabolism of rhaponticin in rat plasma, feces and urine using a cerium probe. Luminescence, 2013, 28, 523-529.	1.5	6
39	Aggregationâ€Induced Emission of 1,8â€Naphthalimideï£¿Casein Micelle: Investigation by Synchronous Spectrographic Method. Chemistry and Biodiversity, 2013, 10, 1597-1605.	1.0	2
40	A Sensitive Spectrofluorometric Method for Determination of Ergosta-4,6,8(14),22-Tetraen-3-One in Rat Plasma, Feces, and Urine for Application to Pharmacokinetic Studies Using Cerium(III) as a Probe. Applied Spectroscopy, 2013, 67, 106-111.	1.2	3
41	Enhanced Distribution and Anti-Tumor Activity of Ergosta-4,6,8(14),22-Tetraen-3-One by Polyethylene Glycol Liposomalization. Journal of Nanoscience and Nanotechnology, 2013, 13, 1435-1439.	0.9	8
42	Enhanced Pharmacokinetics and Anti-Tumor Efficacy of PEGylated Liposomal Rhaponticin and Plasma Protein Binding Ability of Rhaponticin. Journal of Nanoscience and Nanotechnology, 2012, 12, 7677-7684.	0.9	12
43	Characterization of the Interaction between 4-(Tetrahydro-2-Furanmethoxy)-N-Octadecyl-1,8-Naphthalimide and Human Serum Albumin by Molecular Spectroscopy and Its Analytical Application. Applied Spectroscopy, 2012, 66, 464-469.	1.2	9
44	Synthesis and Characterization of TiO₂ Nanoparticles: Applications in Research on the Interaction of Colloidal TiO₂ with Human Serum Albumin by Fluorescence Spectroscopy. Analytical Sciences, 2012, 28, 491-496.	0.8	12
45	A water-soluble, 1,8-naphthalimide based aggregation induced synchronous emission system for selective and sensitive recognition of casein. Analytical Methods, 2012, 4, 4284.	1.3	8
46	A novel 4-(tetrahydro-2-furanmethoxy)-N-octadecyl-1,8-naphthalimide based blue emitting probe: Solvent effect on the photophysical properties and protein detection. Russian Journal of Bioorganic Chemistry, 2012, 38, 469-478.	0.3	3
47	Regioselective synthesis and initial evaluation of a folate receptor targeted rhaponticin prodrug. Chinese Chemical Letters, 2012, 23, 1133-1136.	4.8	8
48	Fluorescent turn-on detection and assay of water based on 4-(2-dimethylaminoethyloxy)-N-octadecyl-1,8-naphthalimide with aggregation-induced emission enhancement. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 352-358.	2.0	33
49	Solvent effect on the absorption and fluorescence of ergone: Determination of ground and excited state dipole moments. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 120-123.	2.0	20
50	Studies on the binding of rhaponticin with human serum albumin by molecular spectroscopy, modeling and equilibrium dialysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 171-178.	2.0	26
51	Interactions between 4-(2-dimethylaminoethyloxy)-N-octadecyl-1,8-naphthalimide and serum albumins: Investigation by spectroscopic approach. Journal of Luminescence, 2012, 132, 879-886.	1.5	22
52	Studies of Interaction between Ergostaâ€4,6,8(14),22â€tetraenâ€3â€one (Ergone) and Human Serum Albumin by Molecular Spectroscopy and Modeling. Journal of the Chinese Chemical Society, 2011, 58, 602-610.	0.8	7
53	Synthesis and spectroscopic characterization of 4-butoxyethoxy-N-octadecyl-1,8-naphthalimide as a new fluorescent probe for the determination of proteins. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3798-3804.	1.0	65
54	The Synthesis of Eu3+Doped with TiO2Nano-Powder and Application as a Pesticide Sensor. Journal of the Korean Chemical Society, 2011, 55, 932-935.	0.2	3