

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
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all docs

54
docs citations

54
times ranked

3357
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly stretchable autonomous self-healing elastomer. <i>Nature Chemistry</i> , 2016, 8, 618-624.	6.6	1,133
2	A Highly Stretchable and Autonomous Self-Healing Polymer Based on Combination of Pt- π -Pt and π - π Interactions. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1667-1675.	2.0	199
3	Synthesis and spectroscopic characterization of 4-butoxyethoxy-N-octadecyl-1,8-naphthalimide as a new fluorescent probe for the determination of proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3798-3804.	1.0	65
4	Structural Insights and the Surprisingly Low Mechanical Stability of the Au-S Bond in the Gold-Specific Protein GolB. <i>Journal of the American Chemical Society</i> , 2015, 137, 15358-15361.	6.6	48
5	Unfolding and folding pathway of lysozyme induced by sodium dodecyl sulfate. <i>Soft Matter</i> , 2015, 11, 7769-7777.	1.2	35
6	Fluorescent turn-on detection and assay of water based on 4-(2-dimethylaminoethoxy)-N-octadecyl-1,8-naphthalimide with aggregation-induced emission enhancement. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 352-358.	2.0	33
7	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. <i>Applied Thermal Engineering</i> , 2019, 156, 77-90.	3.0	31
8	Studies on the binding of rhaponticin with human serum albumin by molecular spectroscopy, modeling and equilibrium dialysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 171-178.	2.0	26
9	Enhancing the operational flexibility of thermal power plants by coupling high-temperature power-to-gas. <i>Applied Energy</i> , 2020, 263, 114608.	5.1	24
10	Interactions between 4-(2-dimethylaminoethoxy)-N-octadecyl-1,8-naphthalimide and serum albumins: Investigation by spectroscopic approach. <i>Journal of Luminescence</i> , 2012, 132, 879-886.	1.5	22
11	β -Lactalbumin and sodium dodecyl sulfate aggregates: Denaturation, complex formation and time stability. <i>Food Hydrocolloids</i> , 2017, 62, 10-20.	5.6	21
12	Direct Measurement of Length Scale Dependence of the Hydrophobic Free Energy of a Single Collapsed Polymer Nanosphere. <i>Physical Review Letters</i> , 2019, 122, 047801.	2.9	21
13	Solvent effect on the absorption and fluorescence of ergone: Determination of ground and excited state dipole moments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 120-123.	2.0	20
14	Solvent effects on the absorption and fluorescence spectra of rhaponticin: Experimental and theoretical studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 194-199.	2.0	20
15	Mg ²⁺ -Dependent High Mechanical Anisotropy of Three-Way Junction pRNA as Revealed by Single-Molecule Force Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9376-9380.	7.2	20
16	Clinical outcomes after ticagrelor and clopidogrel in Chinese post-stented patients. <i>Atherosclerosis</i> , 2019, 290, 52-58.	0.4	18
17	Study on photophysical and aggregation induced emission recognition of 1,8-naphthalimide probe for casein by spectroscopic method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 108, 8-13.	2.0	17
18	Directional mechanical stability of Bacteriophage ϕ 29 motor's 3WJ-pRNA: Extraordinary robustness along portal axis. <i>Science Advances</i> , 2017, 3, e1601684.	4.7	17

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19	A comprehensive thermodynamic analysis of load-flexible CHP plants using district heating network. <i>International Journal of Energy Research</i> , 2019, 43, 4613-4629.	2.2	16
20	Folate-functionalized nanoparticles for controlled ergosta-4,6,8(14),22-tetraen-3-one delivery. <i>International Journal of Pharmaceutics</i> , 2013, 441, 1-8.	2.6	15
21	Studies on the photophysical properties of 1,8-naphthalimide derivative and aggregation induced emission recognition for casein. <i>Journal of Luminescence</i> , 2013, 141, 93-98.	1.5	15
22	Centrifugation-induced fibrous orientation in fish-sourced collagen matrices. <i>Soft Matter</i> , 2017, 13, 9220-9228.	1.2	15
23	How much can we trust polysorbates as food protein stabilizers - The case of bovine casein. <i>Food Hydrocolloids</i> , 2019, 96, 81-92.	5.6	15
24	Sulfate dodecyl sodium-induced stability of a model intrinsically disordered protein, bovine casein. <i>Food Hydrocolloids</i> , 2018, 82, 19-28.	5.6	14
25	A thermodynamic analysis and economic evaluation of an integrated lignite upgrading and power generation system. <i>Applied Thermal Engineering</i> , 2018, 135, 356-367.	3.0	13
26	Enhanced Pharmacokinetics and Anti-Tumor Efficacy of PEGylated Liposomal Rhaponticin and Plasma Protein Binding Ability of Rhaponticin. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7677-7684.	0.9	12
27	Synthesis and Characterization of TiO ₂ Nanoparticles: Applications in Research on the Interaction of Colloidal TiO ₂ with Human Serum Albumin by Fluorescence Spectroscopy. <i>Analytical Sciences</i> , 2012, 28, 491-496.	0.8	12
28	A highly selective 1,8-naphthalimide probe for recognition of casein based on aggregation induced emission enhancement characteristics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 253, 81-87.	2.0	12
29	A theoretical and experimental investigation of the effect of sodium dodecyl sulfate on the structural and conformational properties of bovine β^2 -casein. <i>Soft Matter</i> , 2019, 15, 1551-1561.	1.2	11
30	Infrared Small-Faint Target Detection Using Non-i.i.d. Mixture of Gaussians and Flux Density. <i>Remote Sensing</i> , 2019, 11, 2831.	1.8	10
31	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. <i>Applied Spectroscopy</i> , 2012, 66, 464-469.	1.2	9
32	Mechanics of single peptide hydrogelator fibrils. <i>Nanoscale</i> , 2015, 7, 5638-5642.	2.8	9
33	POTRA Domains, Extracellular Lid, and Membrane Composition Modulate the Conformational Stability of the β^2 Barrel Assembly Factor BamA. <i>Structure</i> , 2018, 26, 987-996.e3.	1.6	9
34	Unveiling the structure of the primary caseinate particle using small-angle X-ray scattering and simulation methodologies. <i>Food Research International</i> , 2021, 149, 110653.	2.9	9
35	A water-soluble, 1,8-naphthalimide based aggregation induced synchronous emission system for selective and sensitive recognition of casein. <i>Analytical Methods</i> , 2012, 4, 4284.	1.3	8
36	Regioselective synthesis and initial evaluation of a folate receptor targeted rhaponticin prodrug. <i>Chinese Chemical Letters</i> , 2012, 23, 1133-1136.	4.8	8

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37	Synthesis and biological evaluation of a folate-targeted rhaponticin conjugate. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 178-185.	1.4	8
38	Enhanced Distribution and Anti-Tumor Activity of Ergosta-4,6,8(14),22-Tetraen-3-One by Polyethylene Glycol Liposomalization. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1435-1439.	0.9	8
39	A study on energy-saving optimization strategy for the stone processing industry—an improved method for modeling cutting power and energy consumption: A case study of block sawing process. <i>Journal of Cleaner Production</i> , 2021, 300, 126922.	4.6	8
40	Studies of Interaction between Ergosta-4,6,8(14),22-Tetraen-3-One (Ergone) and Human Serum Albumin by Molecular Spectroscopy and Modeling. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 602-610.	0.8	7
41	Studies on the Aggregation-Induced Synchronous Emission of 1,8-Naphthalimide Derivative to Casein and Its Analytic Application. <i>Food Analytical Methods</i> , 2013, 6, 1253-1257.	1.3	6
42	A simple and rapid spectrofluorimetric method for determining the pharmacokinetics and metabolism of rhaponticin in rat plasma, feces and urine using a cerium probe. <i>Luminescence</i> , 2013, 28, 523-529.	1.5	6
43	Synthesis of cyclopropa[1,2-b]quinolines through a MCR/Staudinger/aza-Wittig sequence. <i>Synthetic Communications</i> , 2017, 47, 1368-1374.	1.1	5
44	Synthesis and photophysical properties of deuteration of pirfenidone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 88-98.	2.0	5
45	Review of Characteristics, Pharmacology, Determination and Pharmacokinetics of Rhaponticin. <i>Mini-Reviews in Organic Chemistry</i> , 2017, 14, 24-34.	0.6	5
46	4-Alkoxyethoxy-N-octadecyl-1,8-naphthalimide fluorescent sensor for human serum albumin and other major blood proteins: design, synthesis and solvent effect. <i>Luminescence</i> , 2013, 28, 318-326.	1.5	4
47	Mg ²⁺ -Dependent High Mechanical Anisotropy of Three-Way Junction pRNA as Revealed by Single-Molecule Force Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 9504-9508.	1.6	4
48	A novel 4-(tetrahydro-2-furanmethoxy)-N-octadecyl-1,8-naphthalimide based blue emitting probe: Solvent effect on the photophysical properties and protein detection. <i>Russian Journal of Bioorganic Chemistry</i> , 2012, 38, 469-478.	0.3	3
49	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. <i>Applied Spectroscopy</i> , 2013, 67, 106-111.	1.2	3
50	Study of the binding and energy transfer of erbium ion with rhaponticin and its pharmacokinetics application. <i>Luminescence</i> , 2016, 31, 1251-1258.	1.5	3
51	The Synthesis of Eu ³⁺ -Doped with TiO ₂ Nano-Powder and Application as a Pesticide Sensor. <i>Journal of the Korean Chemical Society</i> , 2011, 55, 932-935.	0.2	3
52	Aggregation-Induced Emission of 1,8-Naphthalimide in Casein Micelle: Investigation by Synchronous Spectrographic Method. <i>Chemistry and Biodiversity</i> , 2013, 10, 1597-1605.	1.0	2
53	Optimal energy use of the collector tube in solar power tower plant. <i>Renewable Energy</i> , 2016, 93, 525-535.	4.3	2
54	Study of Interaction Between Sodium Fluorescein and Human Serum Albumin by Multi-Spectroscopic Method. <i>Asian Journal of Chemistry</i> , 2014, 26, 521-526.	0.1	1