

Yang Sun

List of Publications by Year in descending order

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papers

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times ranked

916
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#	ARTICLE	IF	CITATIONS
1	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.	2.2	65
2	Unfolding and folding pathway of lysozyme induced by sodium dodecyl sulfate. <i>Soft Matter</i> , 2015, 11, 7769-7777.	2.7	35
3	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.	3.9	33
4	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.	6.0	31
5	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.	3.9	26
6	Solubilisation of micellar casein powders by high-power ultrasound. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105131.	8.2	25
7	Enhancing the operational flexibility of thermal power plants by coupling high-temperature power-to-gas. <i>Applied Energy</i> , 2020, 263, 114608.	10.1	24
8	<i>Staphylococcus epidermidis</i> small basic protein (Sbp) forms amyloid fibrils, consistent with its function as a scaffolding protein in biofilms. <i>Journal of Biological Chemistry</i> , 2018, 293, 14296-14311.	3.4	23
9	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.	3.1	22
10	Î±-Lactalbumin and sodium dodecyl sulfate aggregates: Denaturation, complex formation and time stability. <i>Food Hydrocolloids</i> , 2017, 62, 10-20.	10.7	21
11	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.	3.9	20
12	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.	3.9	20
13	Clinical outcomes after ticagrelor and clopidogrel in Chinese post-stented patients. <i>Atherosclerosis</i> , 2019, 290, 52-58.	0.8	18
14	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.	3.9	17
15	A comprehensive thermodynamic analysis of loadâ€flexible CHP plants using district heating network. <i>International Journal of Energy Research</i> , 2019, 43, 4613-4629.	4.5	16
16	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.	5.2	15
17	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.	3.1	15
18	Centrifugation-induced fibrous orientation in fish-sourced collagen matrices. <i>Soft Matter</i> , 2017, 13, 9220-9228.	2.7	15

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19	How much can we trust polysorbates as food protein stabilizers - The case of bovine casein. <i>Food Hydrocolloids</i> , 2019, 96, 81-92.	10.7	15
20	Sulfate dodecyl sodium-induced stability of a model intrinsically disordered protein, bovine casein. <i>Food Hydrocolloids</i> , 2018, 82, 19-28.	10.7	14
21	Synthesis of 3H-Pyrrolo[2,3-c]quinoline by Sequential I ₂ -Promoted Cyclization/Staudinger/Aza-Wittig/Dehydroaromatization Reaction. <i>Synlett</i> , 2019, 30, 717-720.	1.8	14
22	A thermodynamic analysis and economic evaluation of an integrated lignite upgrading and power generation system. <i>Applied Thermal Engineering</i> , 2018, 135, 356-367.	6.0	13
23	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
24	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.	1.6	12
25	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.	3.9	12
26	A theoretical and experimental investigation of the effect of sodium dodecyl sulfate on the structural and conformational properties of bovine I ² -casein. <i>Soft Matter</i> , 2019, 15, 1551-1561.	2.7	11
27	Infrared Small-Faint Target Detection Using Non-i.i.d. Mixture of Gaussians and Flux Density. <i>Remote Sensing</i> , 2019, 11, 2831.	4.0	10
28	Insights on the structure of caseinate particles based on surfactants-induced dissociation. <i>Food Hydrocolloids</i> , 2020, 104, 105766.	10.7	10
29	Metabolism of Rhaponticin and Activities of its Metabolite, Rhapontigenin: A Review. <i>Current Medicinal Chemistry</i> , 2020, 27, 3168-3186.	2.4	10
30	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.	2.2	9
31	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.	6.2	9
32	Thermal and economic performances comparison of different pulverized coal power systems augmented by solar trough or tower technologies. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102009.	5.7	9
33	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.	2.7	8
34	Regioselective synthesis and initial evaluation of a folate receptor targeted rhaponticin prodrug. <i>Chinese Chemical Letters</i> , 2012, 23, 1133-1136.	9.0	8
35	Synthesis and biological evaluation of a folate-targeted rhaponticin conjugate. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 178-185.	3.0	8
36	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

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37	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.	9.3	8
38	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.	1.4	7
39	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.	2.6	6
40	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.	2.9	6
41	Synthesis of cyclopropa[1,2-b]quinolines through a MCR/Staudinger/aza-Wittig sequence. <i>Synthetic Communications</i> , 2017, 47, 1368-1374.	2.1	5
42	Synthesis and photophysical properties of deuteration of pirfenidone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 88-98.	3.9	5
43	Impact of Grafting Density on the Self-Assembly and Hydrophilicity of Succinylated Collagen. <i>Macromolecular Research</i> , 2020, 28, 636-643.	2.4	5
44	Review of Characteristics, Pharmacology, Determination and Pharmacokinetics of Rhaponticin. <i>Mini-Reviews in Organic Chemistry</i> , 2017, 14, 24-34.	1.3	5
45	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.	2.9	4
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. <i>Russian Journal of Bioorganic Chemistry</i> , 2012, 38, 469-478.	1.0	3
47	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.	2.2	3
48	Study of the binding and energy transfer of erbium ion with rhaponticin and its pharmacokinetics application. <i>Luminescence</i> , 2016, 31, 1251-1258.	2.9	3
49	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
50	Aggregation-Induced Emission of 1,8-Naphthalimide in Casein Micelle: Investigation by Synchronous Spectrographic Method. <i>Chemistry and Biodiversity</i> , 2013, 10, 1597-1605.	2.1	2
51	Optimal energy use of the collector tube in solar power tower plant. <i>Renewable Energy</i> , 2016, 93, 525-535.	8.9	2
52	Study of Interaction Between Sodium Fluorescein and Human Serum Albumin by Multi-Spectroscopic Method. <i>Asian Journal of Chemistry</i> , 2014, 26, 521-526.	0.3	1