

Kai Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/425723/publications.pdf>

Version: 2024-02-01

56
papers

1,119
citations

394421

19
h-index

454955

30
g-index

58
all docs

58
docs citations

58
times ranked

1524
citing authors

#	ARTICLE	IF	CITATIONS
1	Substitution pattern controlled charge transport in BN-embedded aromatics-based single molecule junctions. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2227-2233.	2.8	5
2	Tetrathiafulvalenes as anchors for building highly conductive and mechanically tunable molecular junctions. <i>Nature Communications</i> , 2022, 13, 1803.	12.8	15
3	Dual Modulation of Single Molecule Conductance via Tuning Side Chains and Electric Field with Conjugated Molecules Entailing Intramolecular Oâ€¢â€¢â€¢S Interactions. <i>Advanced Science</i> , 2022, 9, e2105667. ^{11.2}	11.2	6
4	Bioinspired Microplate Arrays for Magnetically Tuned Dynamic Color. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	6
5	Programmable light-driven swimming actuators via wavelength signal switching. <i>Science Advances</i> , 2021, 7, eabh3051.	10.3	24
6	Photochromic supramolecular photonic crystals based on hostâ€¢guest interactions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16925-16928.	5.5	7
7	Single cycloparaphenylene molecule devices: Achieving large conductance modulation via tuning radial Iâ€¢conjugation. <i>Science Advances</i> , 2021, 7, eabk3095.	10.3	19
8	A supramolecular photonic crystal hydrogel based on hostâ€¢guest interactions for organic molecule recognition. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14718-14722.	5.5	9
9	Precisely Endowing Colloidal Particles with Silica Branches. <i>Scientific Reports</i> , 2019, 9, 8591.	3.3	7
10	Tunable amplified spontaneous emission based on liquidâ€¢magnetically responsive photonic crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3740-3743.	5.5	5
11	A non-perturbative approach to simulate heterogeneous electron transfer dynamics: Effective mode treatment of the continuum electronic states. <i>Journal of Chemical Physics</i> , 2019, 150, 044109.	3.0	8
12	Theoretical study of proton coupled electron transfer reaction in the light state of the AppA BLUF photoreceptor. <i>Journal of Computational Chemistry</i> , 2019, 40, 1005-1014.	3.3	6
13	Photo-responsive photonic crystals for broad wavelength shifts. <i>Chemical Communications</i> , 2018, 54, 3057-3060.	4.1	31
14	Hollow spheres: crucial building blocks for novel nanostructures and nanophotonics. <i>Nanophotonics</i> , 2018, 7, 693-713.	6.0	24
15	Simulation of the Two-Dimensional Electronic Spectroscopy and Energy Transfer Dynamics of Light-Harvesting Complex II at Ambient Temperature. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4642-4652.	2.6	17
16	Mixed quantum-classical simulation of the hydride transfer reaction catalyzed by dihydrofolate reductase based on a mapped system-harmonic bath model. <i>Journal of Chemical Physics</i> , 2018, 148, 102322.	3.0	3
17	Instantaneous, Simple, and Reversible Revealing of Invisible Patterns Encrypted in Robust Hollow Sphere Colloidal Photonic Crystals. <i>Advanced Materials</i> , 2018, 30, e1707246.	21.0	159
18	Fluorescent Liquid Metal As a Transformable Biomimetic Chameleon. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1589-1596.	8.0	53

#	ARTICLE	IF	CITATIONS
19	Coloration of Liquid-Metal Soft Robots: From Silver-White to Iridescent. ACS Applied Materials & Interfaces, 2018, 10, 41627-41636.	8.0	49
20	Frosted Slides Decorated with Silica Nanowires for Detecting Circulating Tumor Cells from Prostate Cancer Patients. ACS Applied Materials & Interfaces, 2018, 10, 19545-19553.	8.0	25
21	Convergence of high order perturbative expansions in open system quantum dynamics. Journal of Chemical Physics, 2017, 146, 064102.	3.0	19
22	Lithography: Electrowetting-Induced Morphological Evolution of Metal-Organic Inverse Opals toward a Water-Lithography Approach (Adv. Funct. Mater. 7/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
23	Real-Time Fluorescence Detection in Aqueous Systems by Combined and Enhanced Photonic and Surface Effects in Patterned Hollow Sphere Colloidal Photonic Crystals. Langmuir, 2017, 33, 4840-4846.	3.5	23
24	Facile fabrication of micro-grooves based photonic crystals towards anisotropic angle-independent structural colors and polarized multiple reflections. Science Bulletin, 2017, 62, 938-942.	9.0	14
25	Bioinspired Adaptive Microplate Arrays for Magnetically Tuned Optics. Advanced Optical Materials, 2017, 5, 1601043.	7.3	16
26	Electrowetting-Induced Morphological Evolution of Metal-Organic Inverse Opals toward a Water-Lithography Approach. Advanced Functional Materials, 2017, 27, 1605221.	14.9	30
27	Theoretical study of photoinduced proton coupled electron transfer reaction using the non-perturbative hierarchical equations of motion method. Journal of Chemical Physics, 2017, 146, .	3.0	15
28	Theoretical study of vibrational energy transfer of free OH groups at the water-air interface. Journal of Chemical Physics, 2016, 144, 144701.	3.0	3
29	An alternative realization of the exact non-Markovian stochastic Schrödinger equation. Journal of Chemical Physics, 2016, 144, 224105.	3.0	15
30	Non-equilibrium dynamics from RPMD and CMD. Journal of Chemical Physics, 2016, 145, 204118.	3.0	48
31	Direct Fabrication of Monodisperse Silica Nanorings from Hollow Spheres – A Template for Core-Shell Nanorings. ACS Applied Materials & Interfaces, 2016, 8, 10451-10458.	8.0	16
32	Modification of colloidal particles by unidirectional silica deposition for urchin-like morphologies. RSC Advances, 2016, 6, 32956-32959.	3.6	12
33	Fabrication of optomicrofluidics for real-time bioassays based on hollow sphere colloidal photonic crystals with wettability patterns. Journal of Materials Chemistry C, 2016, 4, 7853-7858.	5.5	27
34	Defect Mode Passband Lasing in Self-Assembled Photonic Crystal. ACS Photonics, 2016, 3, 2330-2337.	6.6	29
35	Bioinspired Robust Sealed Colloidal Photonic Crystals of Hollow Microspheres for Excellent Repellency against Liquid Infiltration and Ultrastable Photonic Band Gap. Advanced Materials Interfaces, 2016, 3, 1600579.	3.7	19
36	Effect of Pulse Shaping on Observing Coherent Energy Transfer in Single Light-Harvesting Complexes. Journal of Physical Chemistry B, 2016, 120, 11637-11643.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Fabrication and directed assembly of magnetic Janus rods. <i>New Journal of Chemistry</i> , 2016, 40, 6541-6545.	2.8	22
38	Label-free and pH-sensitive colorimetric materials for the sensing of urea. <i>Nanoscale</i> , 2016, 8, 4458-4462.	5.6	53
39	Composite microcapsules with enhanced mechanical stability and reduced active ingredient leakage. <i>Particuology</i> , 2016, 26, 40-46.	3.6	15
40	A time domain two-particle approximation to calculate the absorption and circular dichroism line shapes of molecular aggregates. <i>Journal of Chemical Physics</i> , 2015, 143, 064109.	3.0	15
41	Bio-inspired controlled release through compression-relaxation cycles of microcapsules. <i>NPG Asia Materials</i> , 2015, 7, e148-e148.	7.9	32
42	Theoretical Study of Proton Coupled Electron Transfer Reactions: The Effect of Hydrogen Bond Bending Motion. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8104-8114.	2.6	10
43	Effects of Different Quantum Coherence on the Pump-Probe Polarization Anisotropy of Photosynthetic Light-Harvesting Complexes: A Computational Study. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1954-1960.	4.6	18
44	Micro-patterning of 3D colloidal photonic crystals via solvent-assisted imprint lithography. <i>RSC Advances</i> , 2015, 5, 8509-8513.	3.6	7
45	Linear and Nonlinear Spectra in Photosynthetic Light Harvesting Complexes: Benchmark Tests of Modified Redfield Method. <i>Chinese Journal of Chemical Physics</i> , 2015, 28, 431-439.	1.3	3
46	Visual detection of carbonate ions by inverse opal photonic crystal polymers in aqueous solution. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9524-9527.	5.5	18
47	Preparation and enhanced catalytic activity of amphiphilic rambutan-like micro-reactors. <i>RSC Advances</i> , 2015, 5, 74362-74365.	3.6	3
48	Modifying the symmetry of colloidal photonic crystals: a way towards complete photonic bandgap. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4100.	5.5	16
49	Epitaxial growth of bulky calcite inverse opal induced by a single crystalline calcite substrate. <i>CrystEngComm</i> , 2014, 16, 7617.	2.6	1
50	A facile way to introduce planar defects into colloidal photonic crystals for pronounced passbands. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8829-8836.	5.5	17
51	Integration of antireflection and light diffraction in nature: a strategy for light trapping. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10607.	10.3	24
52	Low threshold photonic crystal lasing from a dye with high emission quantum yield and weak self-quenching. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6157.	5.5	7
53	Patterning and pixelation of colloidal photonic crystals for addressable integrated photonics. <i>Journal of Materials Chemistry</i> , 2011, 21, 11330.	6.7	31
54	Synthesis of monodisperse ellipsoids with tunable aspect ratios. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 336, 29-34.	4.7	15

#	ARTICLE	IF	CITATIONS
55	Selective Transport of Alkali-Metal Cations through Liquid Membranes by Non-Cyclic Carriers. Chinese Journal of Chemistry, 2002, 20, 90-95.	4.9	5
56	Microreactor-controlled selectivity in organic photochemical reactions. Pure and Applied Chemistry, 2000, 72, 2289-2298.	1.9	30