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Analogue simulation with the use of artificial quantum coherent structures

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#	Paper	IF	Citations
34	A Brief Subjective Perspective on the Development of Quantum Technologies 2.0. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 061001	1.5	0
33	Empirical Electronic Polarizabilities: Deviations from the Additivity Rule. II. Structures Exhibiting Ion Conductivity. <i>Crystal Research and Technology</i> , 2019 , 54, 1900037	1.3	2
32	Chaos and hyperchaos in a chain of coupled Rydberg atoms. 2019 ,		
31	Recent Developments in the Modelling of Heterogeneous Catalysts for CO ₂ Conversion to Chemicals. <i>ChemCatChem</i> , 2020 , 12, 1802-1825	5.2	28
30	Plasma-assisted nitrogen fixation in nanomaterials: fabrication, characterization, and application. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 133001	3	12
29	Modulation in polymer properties in PVDF/BCZT composites with ceramic content and their energy density capabilities. <i>Polymer Composites</i> , 2020 , 41, 5305-5316	3	8
28	Tracking heavy-water-incorporated confocal Raman spectroscopy for evaluating the effects of PEGylated emulsifiers on skin barrier. <i>Journal of Biophotonics</i> , 2020 , 13, e202000286	3.1	2
27	Conformational design concepts for anions in ionic liquids.. <i>Chemical Science</i> , 2020 , 11, 6405-6422	9.4	13
26	Deazaflavin reductive photocatalysis involves excited semiquinone radicals. <i>Nature Communications</i> , 2020 , 11, 3174	17.4	17
25	Palladium Acetate/[CPy][Br]: An Efficient Catalytic System towards the Synthesis of Biologically Relevant Stilbene Derivatives via Heck Cross-Coupling Reaction.. <i>ChemistrySelect</i> , 2020 , 5, 4251-4262	1.8	4
24	Spectroscopic characterization (IR and NMR), structural investigation, DFT study, and Hirshfeld surface analysis of two zinc(II) 2-acetylthiophenyl-thiosemicarbazone complexes. <i>Journal of Molecular Structure</i> , 2021 , 1229, 129617	3.4	4
23	Copper nanoclusters: designed synthesis, structural diversity, and multiplatform applications. <i>Nanoscale</i> , 2021 , 13, 6283-6340	7.7	23
22	Targeted modifications in ionic liquids - from understanding to design. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 6993-7021	3.6	24
21	Facile access to foldable redox-active flavin-peptide conjugates. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 4483-4486	3.9	1
20	Aerobic Oxidative C-H Azolation of Indoles and One-Pot Synthesis of Azolyl Thioindoles by Flavin-Iodine-Coupled Organocatalysis. <i>Organic Letters</i> , 2021 , 23, 2084-2088	6.2	12
19	Selective oxidation of benzyl alcohols to benzaldehydes catalyzed by dioxomolybdenum Schiff base complex: synthesis, spectral characterization, crystal structure, theoretical and computational studies. <i>Transition Metal Chemistry</i> , 2021 , 46, 437	2.1	17
18	Visible-light promoted allylation of N-substituted tetrahydroisoquinoline using riboflavin tetra-acetate as photocatalyst. <i>Tetrahedron Letters</i> , 2021 , 78, 153286	2	

17	Nanosheet-Derived Porous Materials and Coatings for Energy Storage Applications. 2021 , 431-467		
16	Zn(II) complexes containing O,N,N,O-donor Schiff base ligands: synthesis, crystal structures, spectral investigations, biological activities, theoretical calculations and substitution effect on structures. <i>Journal of Coordination Chemistry</i> , 1-21	1.6	2
15	Enhancement of the electroactive phase in electrospun PVDF fibers by incorporation of CaCO ₃ -based Cu hybrid particles prepared using plasma-liquid electrochemical synthesis. <i>Journal of the Korean Physical Society</i> , 2021 , 78, 27-33	0.6	
14	Copper(II) Chelating Agents. 2020 , 17-26		
13	Recent advances in the synthesis of N-heteroarenes catalytic dehydrogenation of N-heterocycles. <i>Chemical Communications</i> , 2021 , 57, 13042-13058	5.8	0
12	Cold atmospheric plasma technology for removal of organic micropollutants from wastewater—review. <i>European Physical Journal D</i> , 2021 , 75, 1	1.3	2
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10	Sustainability of green solvents—review and perspective. <i>Green Chemistry</i> , 2022 , 24, 410-437	10	9
9	Pressing matter: why are ionic liquids so viscous?. <i>Chemical Science</i> , 2022 , 13, 2735-2743	9.4	2
8	Highly stable spherical shaped and blue photoluminescent cyclodextrin-coated tellurium nanocomposites prepared by generated solvated electrons: a rapid green method and mechanistic and anticancer studies.. <i>Dalton Transactions</i> , 2022 ,	4.3	0
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6	Acceptorless dehydrogenation of alcohols to carboxylic acids by palladium nanoparticles supported on NiO: delving into metal-support cooperation in catalysis. <i>Dalton Transactions</i> ,	4.3	2
5	Implementation of Quantum Annealing: A Systematic Review. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
4	Condensation in hybrid superconducting-cavity-microscopic-spins systems with finite-bandwidth drive. <i>Physical Review B</i> , 2022 , 106,	3.3	
3	Synthesis, crystal structure, spectral characterization, catalytic studies and computational studies of Ni(II) and Pd(II) complexes of symmetrical tetradentate Schiff base ligand. <i>Journal of Coordination Chemistry</i> , 1-22	1.6	1
2	Flexibility is the key to tuning the transport properties of fluorinated imide-based ionic liquids. 2022 , 13, 9176-9190		0
1	Cerium-ion-exchanged copper silicate: for catalytic methanol dehydrogenation. 2022 , 134,		0