

Andrey Rybakov

List of Publications by Year in descending order

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6
papers

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1937685

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| # | ARTICLE | IF | CITATIONS |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Double-Dimeric Versus Tetrameric Cells for Quantum Cellular Automata: a Semiempirical Approach to Evaluation of Cell-Cell Responses Combined with Quantum-Chemical Modeling of Molecular Structures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22614-22623. | 3.1 | 17 |
| 2 | Semiclassical versus quantum-mechanical vibronic approach in the analysis of the functional characteristics of molecular quantum cellular automata. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16751-16761. | 2.8 | 15 |
| 3 | Mixed-Valence Magnetic Molecular Cell for Quantum Cellular Automata: Prospects of Designing Multifunctional Devices through Exploration of Double Exchange. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25602-25614. | 3.1 | 9 |
| 4 | Exploration of the double exchange in quantum cellular automata: proposal for a new class of cells. <i>Chemical Communications</i> , 2020, 56, 10682-10685. | 4.1 | 8 |
| 5 | Quantum cellular automata: theoretical study of bistable cells for molecular computing. <i>Magnetic Resonance in Solids</i> , 2019, 21, . | 0.2 | 2 |
| 6 | Toward multifunctional molecular cells for quantum cellular automata: exploitation of interconnected charge and spin degrees of freedom. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14511-14528. | 2.8 | 1 |