

# Judith B Rommel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1955831/publications.pdf>

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9  
papers

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citations

1163117  
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docs citations

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times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Locating Instantons in Many Degrees of Freedom. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 690-698.	5.3	105
2	Adaptive integration grids in instanton theory improve the numerical accuracy at low temperature. <i>Journal of Chemical Physics</i> , 2011, 134, 184107.	3.0	65
3	Role of Tunneling in the Enzyme Glutamate Mutase. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13682-13689.	2.6	52
4	Quantum Tunneling Rates of Gas-Phase Reactions from On-the-Fly Instanton Calculations. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4374-4379.	4.6	49
5	Shallow-tunnelling correction factor for use with Wigner-Eyring transition-state theory. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24292-24300.	2.8	38
6	Kinetic isotope effects calculated with the instanton method. <i>Journal of Computational Chemistry</i> , 2011, 32, 3456-3463.	3.3	35
7	The Fragmentation-Recombination Mechanism of the Enzyme Glutamate Mutase Studied by QM/MM Simulations. <i>Journal of the American Chemical Society</i> , 2011, 133, 10195-10203.	13.7	32
8	Reaction Mechanism of the Bicopper Enzyme Peptidylglycine $\beta$ -Hydroxylating Monooxygenase. <i>Journal of Biological Chemistry</i> , 2014, 289, 13726-13738.	3.4	30
9	Kinetics of Molecular Diffusion and Self-Assembly: Glycine on Cu{110}. <i>Journal of Physical Chemistry C</i> , 2018, 122, 782-797.	3.1	4