

# Matthaios Katsanikas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2921131/publications.pdf>

Version: 2024-02-01

16  
papers

149  
citations

1163117

8  
h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

33  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Bifurcation study on a degenerate double van der Waals cirque potential energy surface using Lagrangian descriptors. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 105, 106089.  | 3.3 | 3         |
| 2  | The Influence of a Parameter that Controls the Asymmetry of a Potential Energy Surface with an Entrance Channel and Two Potential Wells. <i>Regular and Chaotic Dynamics</i> , 2022, 27, 232-241.  | 0.8 | 0         |
| 3  | The nature of reactive and non-reactive trajectories for a three dimensional Caldera potential energy surface. <i>Physica D: Nonlinear Phenomena</i> , 2022, 435, 133293.  | 2.8 | 11        |
| 4  | Bifurcation of Dividing Surfaces Constructed from Period-Doubling Bifurcations of Periodic Orbits in a Caldera Potential Energy Surface. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .                                       | 1.7 | 6         |
| 5  | From Poincaré Maps to Lagrangian Descriptors: The Case of the Valley Ridge Inflection Point Potential. <i>Regular and Chaotic Dynamics</i> , 2021, 26, 147-164.  | 0.8 | 6         |
| 6  | The Generalization of the Periodic Orbit Dividing Surface in Hamiltonian Systems with Three or More Degrees of Freedom – I. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2130028.   | 1.7 | 10        |
| 7  | The Bifurcations of the Critical Points and the Role of Depth in a Symmetric Caldera Potential Energy Surface. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2130034.  | 1.7 | 13        |
| 8  | The Generalization of the Periodic Orbit Dividing Surface for Hamiltonian Systems with Three or More Degrees of Freedom – II. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150188.   | 1.7 | 1         |
| 9  | Visualizing the phase space of the Helium-2 van der Waals complex using Lagrangian descriptors. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 103, 105993.   | 3.3 | 8         |
| 10 | Bifurcation of Dividing Surfaces Constructed from a Pitchfork Bifurcation of Periodic Orbits in a Symmetric Potential Energy Surface with a Post-Transition-State Bifurcation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, . | 1.7 | 4         |
| 11 | The Time Evolution of the Trajectories After the Selectivity in a Symmetric Potential Energy Surface with a Post-transition-state Bifurcation. <i>Regular and Chaotic Dynamics</i> , 2021, 26, 763-774.  | 0.8 | 4         |
| 12 | Phase space analysis of the dynamics on a potential energy surface with an entrance channel and two potential wells. <i>Physical Review E</i> , 2020, 102, 012215.   | 2.1 | 15        |
| 13 | Phase Space Analysis of the Nonexistence of Dynamical Matching in a Stretched Caldera Potential Energy Surface. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950057.   | 1.7 | 20        |
| 14 | Phase Space Structure and Transport in a Caldera Potential Energy Surface. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1830042.  | 1.7 | 24        |
| 15 | Dynamics of a spinning particle in a linear in spin Hamiltonian approximation. <i>Physical Review D</i> , 2016, 94, .  | 4.7 | 16        |
| 16 | Analytical invariant manifolds near unstable points and the structure of chaos. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2014, 119, 331-356.   | 1.4 | 8         |