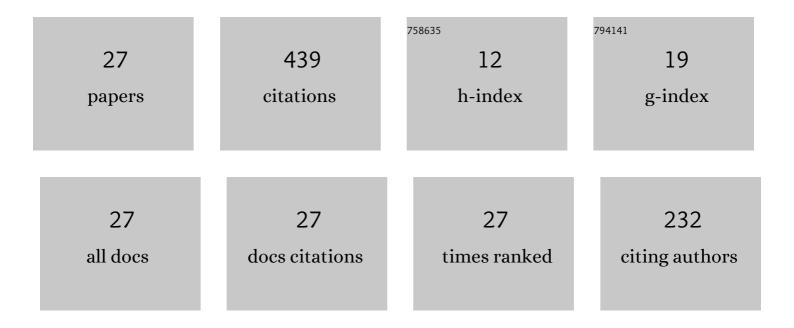
## Xiaoli Bai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/512300/publications.pdf Version: 2024-02-01



| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A medium-scale study of using machine learning fusion to improve TLE prediction precision without external information. Acta Astronautica, 2023, 204, 477-491.        | 1.7 | 0         |
| 2  | Improving Accuracy and Precision through Machine Learning Fusion using Two-Line Element Sets. ,<br>2022, , .  |     | 0         |
| 3  | Fusion of a machine learning approach and classical orbit predictions. Acta Astronautica, 2021, 184, 222-240.   | 1.7 | 12        |
| 4  | Gaussian-Binary classification for resident space object maneuver detection. Acta Astronautica, 2021,<br>187, 438-446.  | 1.7 | 10        |
| 5  | Machine Learning Approach to Improve Satellite Orbit Prediction Accuracy Using Publicly Available<br>Data. Journal of the Astronautical Sciences, 2020, 67, 762-793.  | 0.8 | 22        |
| 6  | Jacobiâ€Picard iteration method for the numerical solution of nonlinear initial value problems.<br>Mathematical Methods in the Applied Sciences, 2020, 43, 1084-1111. | 1.2 | 7         |
| 7  | Disturbance Estimation and Rejection for Aircraft Glideslope Regulation in Turbulence : A Matrix SOS<br>Approach. , 2020, , .   |     | 0         |
| 8  | Markov Chain Monte Carlo Extensions to Gaussian Processes Approach on Orbit Predictions. , 2020, , .  |     | 0         |
| 9  | Comparative evaluation of three machine learning algorithms on improving orbit prediction accuracy. Astrodynamics, 2019, 3, 325-343.                                  | 1.5 | 23        |
| 10 | A K Nearest Neighborhood-Based Wind Estimation for Rotary-Wing VTOL UAVs. Drones, 2019, 3, 31.  | 2.7 | 14        |
| 11 | Gaussian Processes for improving orbit prediction accuracy. Acta Astronautica, 2019, 161, 44-56.  | 1.7 | 25        |
| 12 | Nonlinear Disturbance Observer based Control for Polynomial Systems with Mismatched<br>Uncertainties using Sum-of-Squares Programming. , 2019, , .                    |     | 1         |
| 13 | Quadrotor Autonomous Approaching and Landing on a Vessel Deck. Journal of Intelligent and Robotic<br>Systems: Theory and Applications, 2018, 92, 125-143.             | 2.0 | 29        |
| 14 | Natural deep space satellite constellation in the Earth-Moon elliptic system. Acta Astronautica, 2018,<br>153, 240-258.   | 1.7 | 8         |
| 15 | Using Artificial Neural Network in Machine Learning Approach to Improve Orbit Prediction Accuracy. , 2018, , .  |     | 3         |
| 16 | Exploring Capability of Support Vector Machine for Improving Satellite Orbit Prediction Accuracy.<br>Journal of Aerospace Information Systems, 2018, 15, 366-381.     | 1.0 | 25        |
| 17 | Improving orbit prediction accuracy through supervised machine learning. Advances in Space<br>Research, 2018, 61, 2628-2646.  | 1.2 | 54        |
| 18 | Artificial Equilibrium Points near Irregular-Shaped Asteroids with Continuous Thrust. Journal of<br>Guidance, Control, and Dynamics, 2018, 41, 1308-1319.             | 1.6 | 15        |

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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Recovering area-to-mass ratio of resident space objects through data mining. Acta Astronautica, 2018,<br>142, 75-86.  | 1.7 | 10        |
| 20 | Image-based Space Object Reconstruction and Relative Motion Estimation using Incremental Structure from Motion. , 2018, , .   |     | 0         |
| 21 | Stochastic Model Predictive Control for Gust Alleviation during Aircraft Carrier Landing. , 2018, , .   |     | 4         |
| 22 | Artificial Neural Network–Based Machine Learning Approach to Improve Orbit Prediction Accuracy.<br>Journal of Spacecraft and Rockets, 2018, 55, 1248-1260.                  | 1.3 | 66        |
| 23 | Bounded trajectories near collinear-like equilibrium points of elongated asteroids using linear control. Astrophysics and Space Science, 2017, 362, 1.                      | 0.5 | 8         |
| 24 | Efficient and Adaptive Orthogonal Finite Element Representation of the Geopotential. Journal of the<br>Astronautical Sciences, 2017, 64, 118-155.                           | 0.8 | 10        |
| 25 | Continuation of periodic orbits in the Sun-Mercury elliptic restricted three-body problem.<br>Communications in Nonlinear Science and Numerical Simulation, 2017, 47, 1-15. | 1.7 | 21        |
| 26 | Finite-time control for asteroid hovering and landing via terminal sliding-mode guidance. Acta<br>Astronautica, 2017, 132, 78-89.   | 1.7 | 50        |
| 27 | Picard Iteration, Chebyshev Polynomials and Chebyshev-Picard Methods: Application in Astrodynamics.<br>Journal of the Astronautical Sciences, 2013, 60, 623-653.            | 0.8 | 22        |