# Rui Bao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1038505/publications.pdf

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| 23 | 401 | 840776 11 | 752698 20 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 307 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A new class of mechanism-equivalence-based Wiener process models for reliability analysis. IISE Transactions, 2023, 55, 129-146. | 2.4 | 5 |
| 2 | Prediction of lowâ€velocity impact dent for composite laminates based on an anisotropic elastoplastic damage model. Polymer Composites, 2021, 42, 6887. | 4.6 | 0 |
| 3 | A fast and efficient numerical prediction of compression after impact (CAI) strength of composite laminates and structures. Thin-Walled Structures, 2020, 148, 106588. | 5.3 | 33 |
| 4 | The grain orientation effects on crack-tip fields for additively manufactured titanium alloy: A peridynamic study. Theoretical and Applied Fracture Mechanics, 2020, 107, 102555. | 4.7 | 5 |
| 5 | The effects of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.svg"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo stretchy="true">/</mml:mo><mml:mi>Î²</mml:mi></mml:mrow></mml:math> phase interfaces on fatigue crack deflections in additively manufactured titanium alloy: A peridynamic study. International Journal of Fatigue, 2020, 137, 105622. | 5.7 | 17 |
| 6 | Fatigue crack branching in laser melting deposited Tiâ€“55511 alloy. International Journal of Fatigue, 2019, 124, 217-226. | 5.7 | 24 |
| 7 | Plastic anisotropy of laser melting deposited Tiâ€“5Alâ€“5Moâ€“5Vâ€“1Crâ€“1Fe titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 746, 276-289. | 5.6 | 26 |
| 8 | Effects of different surface treatments on the cyclic fatigue strength of one-piece CAD/CAM zirconia implants. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 249-257. | 3.1 | 11 |
| 9 | Effect of primary Î± phase on the fatigue crack path of laser melting deposited Tiâ€“5Alâ€“5Moâ€“5Vâ€“1Crâ€“1Fe near Î² titanium alloy. International Journal of Fatigue, 2018, 116, 535-542. | 5.7 | 24 |
| 10 | Fatigue crack tip strain evolution and crack growth prediction under single overload in laser melting deposited Ti-6.5Al-3.5Mo-1.5Zr-0.3Si titanium alloy. International Journal of Fatigue, 2018, 116, 462-472. | 5.7 | 16 |
| 11 | Residual stress evaluation in welded large thin-walled structures based on eigenstrain analysis and small sample residual stress measurement. Thin-Walled Structures, 2018, 131, 782-791. | 5.3 | 11 |
| 12 | A modified loading method for separating the effect of residual stress on fatigue crack growth rate of welded joints. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1227-1239. | 3.4 | 9 |
| 13 | Fatigue crack growth behaviour in laser melting deposited Ti-6.5Al-3.5Mo-1.5Zr-0.3Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 690, 378-386. | 5.6 | 22 |
| 14 | Load effects on macroscopic scale fatigue crack growth path in 2324-T39 aluminium alloy thin plates. International Journal of Fatigue, 2014, 58, 193-201. | 5.7 | 10 |
| 15 | Study of methods for evaluating the probability of multiple site damage occurrences. Science China: Physics, Mechanics and Astronomy, 2014, 57, 65-73. | 5.1 | 2 |
| 16 | A creepâ€“fatigue crack growth model containing temperature and interactive effects. International Journal of Fatigue, 2014, 59, 34-42. | 5.7 | 24 |
| 17 | Fatigue crack growth measurement in a superalloy at elevated temperature. International Journal of Fatigue, 2013, 47, 189-195. | 5.7 | 10 |
| 18 | Evaluation of the intrinsic crack growth rates of weld joints. International Journal of Fatigue, 2011, 33, 588-596. | 5.7 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Crack growth behaviour of a nickel-based powder metallurgy superalloy under elevated temperature. International Journal of Fatigue, 2011, 33, 632-641. | 5.7 | 34 |
| 20 | A probabilistic estimation method of multiple site damage occurrence for aircraft structures. Procedia Engineering, 2010, 2, 1115-1124. | 1.2 | 10 |
| 21 | Fatigue crack growth behaviour and life prediction for 2324-T39 and 7050-T7451 aluminium alloys under truncated load spectra. International Journal of Fatigue, 2010, 32, 1180-1189. | 5.7 | 34 |
| 22 | Evaluating stress intensity factors due to weld residual stresses by the weight function and finite element methods. Engineering Fracture Mechanics, 2010, 77, 2550-2566. | 4.3 | 67 |
| 23 | Mechanism equivalence analysis for accelerated degradation tests based on tweedie exponential dispersion process. Quality Technology and Quantitative Management, 0, , 1-27. | 1.9 | 1 |