

Xin Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2417178/publications.pdf>

Version: 2024-02-01

10
papers

601
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

280
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The solution of frictional wheel-rail rolling contact with a 3D transient finite element model: Validation and error analysis. <i>Wear</i> , 2011, 271, 444-452. | 3.1 | 172 |
| 2 | An investigation into the causes of squats—Correlation analysis and numerical modeling. <i>Wear</i> , 2008, 265, 1349-1355. | 3.1 | 162 |
| 3 | Squat growth—Some observations and the validation of numerical predictions. <i>Wear</i> , 2011, 271, 148-157. | 3.1 | 99 |
| 4 | Modeling of high-speed wheel-rail rolling contact on a corrugated rail and corrugation development. <i>Journal of Zhejiang University: Science A</i> , 2014, 15, 946-963. | 2.4 | 51 |
| 5 | A study on dynamic stress intensity factors of rail cracks at high speeds by a 3D explicit finite element model of rolling contact. <i>Wear</i> , 2016, 366-367, 60-70. | 3.1 | 41 |
| 6 | Local rolling contact fatigue and indentations on high-speed railway wheels: Observations and numerical simulations. <i>International Journal of Fatigue</i> , 2017, 103, 5-16. | 5.7 | 31 |
| 7 | On the coupling of the vertical, lateral and longitudinal wheel-rail interactions at high frequencies and the resulting irregular wear. <i>Wear</i> , 2019, 430-431, 317-326. | 3.1 | 21 |
| 8 | Determination of dynamic amplification factors for heavy haul railways. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2018, 232, 514-528. | 2.0 | 13 |
| 9 | Formation mechanism of short-pitch rail corrugation on metro tangent tracks with resilient fasteners. <i>Vehicle System Dynamics</i> , 2023, 61, 1524-1547. | 3.7 | 6 |
| 10 | On the modelling of normal wheel-rail contact for high-frequency vehicle-track dynamics analyses. <i>International Journal of Rail Transportation</i> , 2022, 10, 695-716. | 2.7 | 5 |