

# Vicent Penadã©s-Pla

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5685513/publications.pdf>

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12  
papers

461  
citations

840776

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1199594

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times ranked

351  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A Review of Multi-Criteria Decision-Making Methods Applied to the Sustainable Bridge Design. Sustainability, 2016, 8, 1295.  | 3.2  | 117       |
| 2  | Life-Cycle Assessment: A Comparison between Two Optimal Post-Tensioned Concrete Box-Girder Road Bridges. Sustainability, 2017, 9, 1864.  | 3.2  | 55        |
| 3  | Life cycle assessment of earth-retaining walls: An environmental comparison. Journal of Cleaner Production, 2018, 192, 411-420.  | 9.3  | 53        |
| 4  | Sustainable bridge design by metamodel-assisted multi-objective optimization and decision-making under uncertainty. Journal of Cleaner Production, 2018, 202, 904-915.                                 | 9.3  | 53        |
| 5  | Accelerated optimization method for low-embodied energy concrete box-girder bridge design. Engineering Structures, 2019, 179, 556-565.   | 5.3  | 45        |
| 6  | LIFE CYCLE SUSTAINABILITY ASSESSMENT FOR MULTI-CRITERIA DECISION MAKING IN BRIDGE DESIGN: A REVIEW. Journal of Civil Engineering and Management, 2020, 26, 690-704.                                    | 3.5  | 31        |
| 7  | An Optimization-LCA of a Prestressed Concrete Precast Bridge. Sustainability, 2018, 10, 685.   | 3.2  | 29        |
| 8  | Robust Design Optimization for Low-Cost Concrete Box-Girder Bridge. Mathematics, 2020, 8, 398.   | 2.2  | 21        |
| 9  | Environmental and Social Impact Assessment of Optimized Post-Tensioned Concrete Road Bridges. Sustainability, 2020, 12, 4265.  | 3.2  | 16        |
| 10 | Recycled versus non-recycled insulation alternatives: LCA analysis for different climatic conditions in Spain. Resources, Conservation and Recycling, 2021, 175, 105838.                               | 10.8 | 16        |
| 11 | Robust decision-making design for sustainable pedestrian concrete bridges. Engineering Structures, 2020, 209, 109968.  | 5.3  | 15        |
| 12 | Practical metamodel-assisted multi-objective design optimization for improved sustainability and buildability of wind turbine foundations. Structural and Multidisciplinary Optimization, 2022, 65, 1. | 3.5  | 10        |