

Peer-Reviewed Journal Publications

- [19] M. Aßmus, M. von Zabiensky, M. Weber, and H. Altenbach. “Size effects in the elastic properties of polycrystalline silicon”. In: *Applied Research* - (2023), pp. 1–22. DOI: 10.1002/app1.202300014.
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- [15] R. Glüge and M. Aßmus. “A systematic approach to reduce the independent tensor components by symmetry transformations - A commented translation of “Tensors and Crystal Symmetry” by Carl Hermann”. In: *Continuum Mechanics and Thermodynamics* 33.4 (2021), pp. 1603–1620. DOI: 10.1007/s00161-021-00978-5.
- [14] S. Bergmann, F. Hassani, Z. Javanbakht, and M. Aßmus. “On a Fast Analytical Approximation of Natural Frequencies for Photovoltaic Modules”. In: *Technische Mechanik* 40.2 (2020), pp. 191–203. DOI: 10.24352/ub.ovgu-2020-025.
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- [11] Z. Javanbakht, M. Aßmus, K. Naumenko, A. Öchsner, and H. Altenbach. “On Thermal Strains and Residual Stresses in the Linear Theory of Anti-Sandwiches”. In: *Zeitschrift für Angewandte Mathematik und Mechanik* 99.8 (2019), e201900062. DOI: 10.1002/zamm.201900062.
- [10] M. Aßmus, K. Naumenko, A. Öchsner, V. A. Eremeyev, and H. Altenbach. “A generalized framework towards structural mechanics of three-layered composite structures”. In: *Technische Mechanik* 39.2 (2019), pp. 202–219. DOI: 10.24352/ub.ovgu-2019-019.
- [9] M. Haghi, M. Aßmus, K. Naumenko, and H. Altenbach. “Mechanical Models and Finite-Element Approaches for the Structural Analysis of Photovoltaic Composite Structures: A Comparative Study”. In: *Mechanics of Composite Materials* 54.4 (2018), pp. 415–430. DOI: 10.1007/s11029-018-9752-6.
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- [5] M. Weber, M. Aßmus, R. Glüge, and H. Altenbach. “Size effects in numerical homogenization of polycrystalline silicon”. In: *Proceedings in Applied Mathematics and Mechanics*. Dresden, Germany, 2023, e202300221. DOI: 10.1002/pamm.202300221.
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Edited Special Issues

- [1] M. Aßmus, V. A. Eremeyev, and A. Öchsner , eds. “A Life devoted to Advances in Continuum Mechanics of Material and Structural Behavior”. In: *Continuum Mechanics and Thermodynamics* 33.4 (2021), pp. 873–1978. URL: <https://link.springer.com/journal/161/volumes-and-issues/33-4>.

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- [1] K. Naumenko and M. Aßmus, eds. *Advanced Methods of Continuum Mechanics for Materials and Structures*. Vol. 60. Advanced Structured Materials. Singapore: Springer, 2016. DOI: 10.1007/978-981-10-0959-4.

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- [2] M. Aßmus, V. A. Eremeyev, and A. Öchsner. *Foreword*. *Continuum Mechanics and Thermodynamics*, 33(4):873–875. 2021. DOI: 10.1007/s00161-021-00975-8.
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Books

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