

# Christoph Kock

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9623991/publications.pdf>

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8  
papers

45  
citations

2258059

3  
h-index

1872680

6  
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10  
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docs citations

10  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Numerical Investigations of the Development of Residual Stresses in Thermo-Mechanically Processed Cr-Alloyed Steel 1.3505. <i>Metals</i> , 2019, 9, 480.	2.3	18
2	Strategies for residual stress adjustment in bulk metal forming. <i>Archive of Applied Mechanics</i> , 2021, 91, 3557-3577.	2.2	8
3	Experimental-numerical approach to efficient TTT-generation for simulation of phase transformations in thermomechanical forming processes. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 461, 012040.	0.6	7
4	Residual Stresses in Hot Bulk Formed Parts – A Phenomenological Approach for the Austenite-to-Martensite Phase Transformation. <i>Minerals, Metals and Materials Series</i> , 2021, , 2345-2355.	0.4	3
5	Numerical Simulation of the Abrasive Wear Behavior of Selectively Oxidized $\pm$ -Fe <sub>2</sub> O <sub>3</sub> Oxide Layers on Tool Steel Surfaces. <i>Jom</i> , 2020, 72, 2536-2547.	1.9	2
6	Targeted adjustment of residual stresses in hot-formed components by means of process design based on finite element simulation. <i>Archive of Applied Mechanics</i> , 2021, 91, 3579-3602.	2.2	2
7	Investigations on Residual Stresses within Hot-Bulk-Formed Components Using Process Simulation and the Contour Method. <i>Metals</i> , 2021, 11, 566.	2.3	2
8	Experimental investigations on the interactions between the process parameters of hot forming and the resulting residual stresses in the component. <i>Procedia Manufacturing</i> , 2020, 50, 706-712.	1.9	2