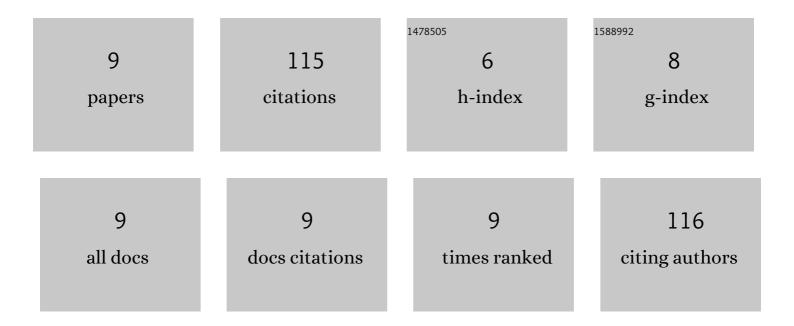
## **Christoph Lauer**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3967943/publications.pdf

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#	Article	IF	CITATIONS
1	The mechanical properties of heat-treated rocks: a comparison between chert and silcrete. Archaeological and Anthropological Sciences, 2019, 11, 2489-2506.	1.8	33
2	Detailed near-infrared study of the â€~water'-related transformations in silcrete upon heat treatment. Physics and Chemistry of Minerals, 2017, 44, 21-31.	0.8	24
3	Strength-size relationships in two porous biological materials. Acta Biomaterialia, 2018, 77, 322-332.	8.3	19
4	Morphology and porosity of the spines of the sea urchin Heterocentrotus mamillatus and their implications on the mechanical performance. Zoomorphology, 2018, 137, 139-154.	0.8	14
5	Plants and Animals as Source of Inspiration for Energy Dissipation in Load Bearing Systems and Facades. Biologically-inspired Systems, 2016, , 109-133.	0.2	9
6	Strength, elasticity and the limits of energy dissipation in two related sea urchin spines with biomimetic potential. Bioinspiration and Biomimetics, 2019, 14, 016018.	2.9	7
7	On the Relation of Amorphous Calcium Carbonate and the Macromechanical Properties of Sea Urchin Spines. Advanced Engineering Materials, 2020, 22, 1900922.	3.5	4
8	Developing the Experimental Basis for an Evaluation of Scaling Properties of Brittle and â€~Quasi-Brittle' Biological Materials. Biologically-inspired Systems, 2016, , 277-294.	0.2	3
9	13. Sea urchin spines as role models for biological design and integrative structures. , 2017, , 273-284.		2