

# Thomas Matschei

## List of Publications by Year in descending order

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16  
papers

2,399  
citations

949033

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16  
docs citations

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times ranked

1484  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Method to Determine the Steel Fibre Content of Existing Structures – Test Setup and Numerical Simulation. Applied Sciences (Switzerland), 2022, 12, 561.	1.3	4
2	A New Method to Determine the Steel Fibre Content of Existing Structures – Evaluation and Validation. Applied Sciences (Switzerland), 2022, 12, 454.	1.3	3
3	Electrical Resistivity of Steel Fibre-Reinforced Concrete – Influencing Parameters. Materials, 2021, 14, 3408.	1.3	14
4	Performance Test for Sulfate Resistance of Concrete by Tensile Strength Measurements: Determination of Test Criteria. Crystals, 2021, 11, 1018.	1.0	5
5	Development of a Sulfate Resistance Performance Test for Concrete by Tensile Strength Measurements: Determination of Test Conditions. Crystals, 2021, 11, 1001.	1.0	5
6	Estimation of standard molar entropy of cement hydrates and clinker minerals. Cement and Concrete Research, 2020, 136, 106188.	4.6	12
7	Cemdata18: A chemical thermodynamic database for hydrated Portland cements and alkali-activated materials. Cement and Concrete Research, 2019, 115, 472-506.	4.6	626
8	Impact of water activity on the stability of ettringite. Cement and Concrete Research, 2016, 79, 31-44.	4.6	92
9	Thermal stability of thaumasite. Materials and Structures/Materiaux Et Constructions, 2015, 48, 2277-2289.	1.3	18
10	Hydration states of AFm cement phases. Cement and Concrete Research, 2015, 73, 143-157.	4.6	241
11	Methods to determine hydration states of minerals and cement hydrates. Cement and Concrete Research, 2014, 65, 85-95.	4.6	53
12	Sulfate Attack of Concrete. RILEM State-of-the-Art Reports, 2013, , 7-74.	0.3	21
13	Temperature dependence, 0 to 40 °C, of the mineralogy of Portland cement paste in the presence of calcium carbonate. Cement and Concrete Research, 2010, 40, 763-777.	4.6	67
14	Thermodynamic modelling of the effect of temperature on the hydration and porosity of Portland cement. Cement and Concrete Research, 2008, 38, 1-18.	4.6	759
15	Thermodynamic properties of Portland cement hydrates in the system $\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2-\text{CaSO}_4-\text{CaCO}_3-\text{H}_2\text{O}$ . Cement and Concrete Research, 2007, 37, 1379-1410.	4.6	478
16	Electrical resistivity measurements to determine the steel fiber content of concrete. Structural Concrete, 0, , .	1.5	1