

# Thomas Rohr

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

1,366  
citations

13  
h-index

23  
g-index

23  
ext. papers

1,436  
ext. citations

6.1  
avg, IF

3.97  
L-index

#	Paper	IF	Citations
23	Biocatalysis in Green and Blue: Cyanobacteria. <i>Trends in Biotechnology</i> , <b>2021</b> , 39, 875-889	15.1	11
22	Hybrid manufacturing of titanium Ti-6Al-4V combining laser metal deposition and cryogenic milling. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 107, 2995-3009	3.2	14
21	Expression of Additive Manufacturing Surface Irregularities through a Flaw-Based Assessment <b>2020</b> , 234-249		1
20	Fatigue Behavior of AA2198 in Liquid Hydrogen. <i>Procedia Structural Integrity</i> , <b>2019</b> , 17, 300-307	1	2
19	Microstructure characterisation of a friction stir welded hemi-cylinder structure using Ti-6Al-4V castings. <i>Materials Characterization</i> , <b>2019</b> , 147, 286-294	3.9	12
18	Sustainable challenges on the moon. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2018</b> , 9, 8-12	7.9	5
17	Fatigue properties and material characteristics of additively manufactured AlSi10Mg [Effect of the contour parameter on the microstructure, density, residual stress, roughness and mechanical properties. <i>International Journal of Fatigue</i> , <b>2018</b> , 117, 148-162	5	57
16	Degradation mechanism of silicone glues under UV irradiation and options for designing materials with increased stability. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 720-726	4.7	35
15	Thermal and UV Degradation of Polymer Films Studied In situ with ESR Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 1879-1883	9.5	16
14	The Performance of Novel Polyetherimides in a Low Earth Orbit Environment. <i>High Performance Polymers</i> , <b>2008</b> , 20, 461-474	1.6	2
13	Structure, Morphology, Physical Formats and Characterization of Polymer Supports <b>2005</b> , 1-52		1
12	Fabrication of porous polymer monoliths covalently attached to the walls of channels in plastic microdevices. <i>Electrophoresis</i> , <b>2003</b> , 24, 3689-93	3.6	125
11	Dual-function microanalytical device by in situ photolithographic grafting of porous polymer monolith: integrating solid-phase extraction and enzymatic digestion for peptide mass mapping. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5328-35	7.8	179
10	Polar polymeric stationary phases for normal-phase HPLC based on monodisperse macroporous poly(2,3-dihydroxypropyl methacrylate-co-ethylene dimethacrylate) beads. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 1011-21	7.8	39
9	SUBPOL: a novel Sucrose-Based Polymer support for solid-phase peptide synthesis and affinity chromatography applications. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 13415-26	16.4	28
8	Photografting and the Control of Surface Chemistry in Three-Dimensional Porous Polymer Monoliths. <i>Macromolecules</i> , <b>2003</b> , 36, 1677-1684	5.5	229
7	Enzymatic microreactor-on-a-chip: protein mapping using trypsin immobilized on porous polymer monoliths molded in channels of microfluidic devices. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 4081-8	7.8	311

6	High-throughput peptide mass mapping using a microdevice containing trypsin immobilized on a porous polymer monolith coupled to MALDI TOF and ESI TOF mass spectrometers. <i>Journal of Proteome Research</i> , <b>2002</b> , 1, 563-8	5.6	131
5	Photopolymerized and Photografted Porous Polymer Monoliths for Fabrication of Microfluidic Analytical Systems <b>2002</b> , 332-334		3
4	Porous polymer monoliths: simple and efficient mixers prepared by direct polymerization in the channels of microfluidic chips. <i>Electrophoresis</i> , <b>2001</b> , 22, 3959-67	3.6	137
3	Design of a Toolbox for Fabrication of Analytical Microfluidic Systems Using Porous Polymer Monoliths <b>2001</b> , 643-645		1
2	CARBOHYDRATE MODIFIED POLYDIMETHYLSILOXANES. PART 1. SYNTHESIS AND CHARACTERIZATION OF CARBOHYDRATE SILANE AND SILOXANE BUILDING BLOCKS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2000</b> , 37, 323-341	2.2	20
1	Use of readily available monomers in the synthesis of vinyl copolymers with optical activity arising from the configuration of stereogenic carbon atoms in the main chain. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1996</b> , 1821		7