

Thomas Rohr

List of Publications by Citations

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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	Enzymatic microreactor-on-a-chip: protein mapping using trypsin immobilized on porous polymer monoliths molded in channels of microfluidic devices. <i>Analytical Chemistry</i> , 2002 , 74, 4081-8	7.8	311
22	Photografting and the Control of Surface Chemistry in Three-Dimensional Porous Polymer Monoliths. <i>Macromolecules</i> , 2003 , 36, 1677-1684	5.5	229
21	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> , 2003 , 75, 5328-35	7.8	179
20	Porous polymer monoliths: simple and efficient mixers prepared by direct polymerization in the channels of microfluidic chips. <i>Electrophoresis</i> , 2001 , 22, 3959-67	3.6	137
19	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> , 2002 , 1, 563-8	5.6	131
18	Fabrication of porous polymer monoliths covalently attached to the walls of channels in plastic microdevices. <i>Electrophoresis</i> , 2003 , 24, 3689-93	3.6	125
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> , 2018 , 117, 148-162	5	57
16	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> , 2003 , 75, 1011-21	7.8	39
15	Degradation mechanism of silicone glues under UV irradiation and options for designing materials with increased stability. <i>Polymer Degradation and Stability</i> , 2013 , 98, 720-726	4.7	35
14	SUBPOL: a novel Sucrose-Based Polymer support for solid-phase peptide synthesis and affinity chromatography applications. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13415-26	16.4	28
13	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> , 2000 , 37, 323-341	2.2	20
12	Thermal and UV Degradation of Polymer Films Studied In situ with ESR Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1879-1883	9.5	16
11	Hybrid manufacturing of titanium Ti-6Al-4V combining laser metal deposition and cryogenic milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 107, 2995-3009	3.2	14
10	Microstructure characterisation of a friction stir welded hemi-cylinder structure using Ti-6Al-4V castings. <i>Materials Characterization</i> , 2019 , 147, 286-294	3.9	12
9	Biocatalysis in Green and Blue: Cyanobacteria. <i>Trends in Biotechnology</i> , 2021 , 39, 875-889	15.1	11
8	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> , 1996 , 1821		7
7	Sustainable challenges on the moon. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018 , 9, 8-12	7.9	5

6	Photopolymerized and Photografted Porous Polymer Monoliths for Fabrication of Microfluidic Analytical Systems 2002 , 332-334		3
5	Fatigue Behavior of AA2198 in Liquid Hydrogen. <i>Procedia Structural Integrity</i> , 2019 , 17, 300-307	1	2
4	The Performance of Novel Polyetherimides in a Low Earth Orbit Environment. <i>High Performance Polymers</i> , 2008 , 20, 461-474	1.6	2
3	Structure, Morphology, Physical Formats and Characterization of Polymer Supports 2005 , 1-52		1
2	Expression of Additive Manufacturing Surface Irregularities through a Flaw-Based Assessment 2020 , 234-249		1
1	Design of a Toolbox for Fabrication of Analytical Microfluidic Systems Using Porous Polymer Monoliths 2001 , 643-645		1