

Thomas Rohr

List of Publications by Year in descending order

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23
papers

1,547
citations

623188

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794141

19
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all docs

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docs citations

23
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 4081-4088.	3.2	342
2	Photografting and the Control of Surface Chemistry in Three-Dimensional Porous Polymer Monoliths. <i>Macromolecules</i> , 2003, 36, 1677-1684.	2.2	238
3	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, 5328-5335.	3.2	186
4	Porous polymer monoliths: Simple and efficient mixers prepared by direct polymerization in the channels of microfluidic chips. <i>Electrophoresis</i> , 2001, 22, 3959-3967.	1.3	145
5	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, 563-568.	1.8	144
6	Fabrication of porous polymer monoliths covalently attached to the walls of channels in plastic microdevices. <i>Electrophoresis</i> , 2003, 24, 3689-3693.	1.3	136
7	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.	2.8	85
8	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, 1011-1021.	3.2	42
9	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.	2.7	40
10	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, 13415-13426.	6.6	35
11	Biocatalysis in Green and Blue: Cyanobacteria. <i>Trends in Biotechnology</i> , 2021, 39, 875-889.	4.9	32
12	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.	1.5	29
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.	1.2	22
14	Thermal and UV Degradation of Polymer Films Studied In situ with ESR Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1879-1883.	4.0	21
15	Microstructure characterisation of a friction stir welded hemi-cylinder structure using Ti-6Al-4V castings. <i>Materials Characterization</i> , 2019, 147, 286-294.	1.9	14
16	Sustainable challenges on the moon. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 9, 8-12.	3.2	9
17	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.	0.9	8
18	Expression of Additive Manufacturing Surface Irregularities through a Flaw-Based Assessment. , 2020, , 234-249.		5

#	ARTICLE	IF	CITATIONS
19	Structure, Morphology, Physical Formats and Characterization of Polymer Supports. , 2005, , 1-52.		4
20	Photopolymerized and Photografted Porous Polymer Monoliths for Fabrication of Microfluidic Analytical Systems. , 2002, , 332-334.		4
21	The Performance of Novel Polyetherimides in a Low Earth Orbit Environment. High Performance Polymers, 2008, 20, 461-474.	0.8	2
22	Fatigue Behavior of AA2198 in Liquid Hydrogen. Procedia Structural Integrity, 2019, 17, 300-307.	0.3	2
23	Design of a Toolbox for Fabrication of Analytical Microfluidic Systems Using Porous Polymer Monoliths. , 2001, , 643-645.		2