

Thomas H Walter

List of Publications by Year in descending order

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26
papers

1,383
citations

516710

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docs citations

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times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Evaluation of C18HPLC Stationary Phases Based on Ethyl-Bridged Hybrid Organic/Inorganic Particles. <i>Analytical Chemistry</i> , 2003, 75, 6781-6788.	6.5	240
2	Simple preparation of a C8 HPLC stationary phase with an internal polar functional group. <i>Analytical Chemistry</i> , 1995, 67, 3809-3813.	6.5	148
3	Universal procedure for the assessment of the reproducibility and the classification of silica-based reversed-phase packings. <i>Journal of Chromatography A</i> , 1999, 849, 101-116.	3.7	136
4	Mechanism of retention loss when C8 and C18 HPLC columns are used with highly aqueous mobile phases. <i>Journal of Chromatography A</i> , 2005, 1075, 177-183.	3.7	133
5	Universal procedure for the assessment of the reproducibility and the classification of silica-based reversed-phase packings. <i>Journal of Chromatography A</i> , 1999, 849, 87-100.	3.7	132
6	Magic angle spinning oxygen-17 NMR of aluminum oxides and hydroxides. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6744-6751.	2.9	92
7	Recent innovations in UHPLC columns and instrumentation. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 14-20.	11.4	82
8	Systematic Study of Chromatographic Behavior vs Alkyl Chain Length for HPLC Bonded Phases Containing an Embedded Carbamate Group. <i>Analytical Chemistry</i> , 1999, 71, 2992-2997.	6.5	64
9	Spin trapping in heterogeneous electron transfer processes. <i>Canadian Journal of Chemistry</i> , 1982, 60, 1621-1636.	1.1	55
10	Magic-angle spinning carbon-13 NMR spectroscopy of transition-metal carbonyl clusters. <i>The Journal of Physical Chemistry</i> , 1989, 93, 1320-1326.	2.9	47
11	Using Hybrid Organic-Inorganic Surface Technology to Mitigate Analyte Interactions with Metal Surfaces in UHPLC. <i>Analytical Chemistry</i> , 2021, 93, 5773-5781.	6.5	41
12	Oxygen-17 cross-polarization nmr spectroscopy of inorganic solids. <i>Journal of Magnetic Resonance</i> , 1988, 76, 106-120.	0.5	40
13	Observation of a mobile molybdenum carbonyl fragment on .gamma.-alumina by solid-state carbon-13 nuclear magnetic resonance spectroscopy. <i>Journal of the American Chemical Society</i> , 1988, 110, 1065-1068.	13.7	22
14	Characterization of a silica-supported trinuclear osmium carbonyl cluster by magic-angle-spinning carbon-13 NMR spectroscopy. <i>Inorganic Chemistry</i> , 1988, 27, 2561-2563.	4.0	20
15	Dependence of cyano bonded phase hydrolytic stability on ligand structure and solution pH. <i>Journal of Chromatography A</i> , 2000, 893, 245-251.	3.7	19
16	Kinetic mechanism of water dewetting from hydrophobic stationary phases utilized in liquid chromatography. <i>Journal of Chromatography A</i> , 2019, 1596, 41-53.	3.7	19
17	Retention loss of reversed-phase chromatographic columns using 100% aqueous mobile phases from fundamental insights to best practice. <i>Journal of Chromatography A</i> , 2020, 1612, 460662.	3.7	16
18	Characterization of a highly stable mixed-mode reversed-phase/weak anion-exchange stationary phase based on hybrid organic/inorganic particles. <i>Journal of Separation Science</i> , 2021, 44, 1005-1014.	2.5	16

#	ARTICLE	IF	CITATIONS
19	Characterization of a highly stable zwitterionic hydrophilic interaction chromatography stationary phase based on hybrid organic–inorganic particles. <i>Journal of Separation Science</i> , 2022, 45, 1389-1399.	2.5	14
20	Contribution of ionic interactions to stationary phase selectivity in hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2022, 45, 3264-3275.	2.5	11
21	Magic-angle sample-spinning n.m.r. spectroscopy of an antiferromagnetically coupled copper formate dimer. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 646.	2.0	9
22	Evaluating MISER chromatography as a tool for characterizing HILIC column equilibration. <i>Journal of Chromatography A</i> , 2020, 1619, 460931.	3.7	8
23	Application of a hybrid zwitterionic hydrophilic interaction liquid chromatography column in metabolic profiling studies. <i>Journal of Chromatography A</i> , 2022, 1672, 463013.	3.7	8
24	Electrospray ionization mass spectrometry ion suppression/enhancement caused by column bleed for three mixed-mode reversed-phase/anion-exchange high-performance liquid chromatography columns. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9098.	1.5	7
25	Evaluation of the Base Stability of Hydrophilic Interaction Chromatography Columns Packed with Silica or Ethylene-Bridged Hybrid Particles. <i>Separations</i> , 2022, 9, 146.	2.4	3
26	Comparison of Different Reversed-Phase Packing Materials Based on Higher Organic Hybrid Particles. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1007, 1.	0.1	1