Maarten R Van Bommel

List of Publications by Year
in descending order

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16 papers	448 citations	840776 11 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	371 citing authors

#	Article	IF	Citations
1	High-performance liquid chromatography and non-destructive three-dimensional fluorescence analysis of early synthetic dyes. Journal of Chromatography A, 2007, 1157, 260-272.	3.7	99
2	Recent applications of retention modelling in liquid chromatography. Journal of Separation Science, 2021, 44, 88-114.	2.5	57
3	Micro Analysis on Hallstatt Textiles: Colour and Condition. Mikrochimica Acta, 2006, 155, 169-174.	5.0	43
4	Characterization of Dye Extracts from Historical Cultural-Heritage Objects Using State-of-the-Art Comprehensive Two-Dimensional Liquid Chromatography and Mass Spectrometry with Active Modulation and Optimized Shifting Gradients. Analytical Chemistry, 2019, 91, 3062-3069.	6.5	38
5	Crystal violet: Study of the photo-fading of an early synthetic dye in aqueous solution and on paper with HPLC-PDA, LC-MS and FORS. Journal of Physics: Conference Series, 2010, 231, 012011.	0.4	35
6	Characterization of synthetic dyes by comprehensive two-dimensional liquid chromatography combining ion-exchange chromatography and fast ion-pair reversed-phase chromatography. Journal of Chromatography A, 2016, 1436, 141-146.	3.7	31
7	Mapping degradation pathways of natural and synthetic dyes with LC-MS: Influence of solvent on degradation mechanisms. Journal of Cultural Heritage, 2019, 38, 29-36.	3.3	29
8	Indigo carmine: Understanding a problematic blue dye. Studies in Conservation, 2012, 57, S87-S95.	1.1	28
9	Measuring and using scanning-gradient data for use in method optimization for liquid chromatography. Journal of Chromatography A, 2021, 1636, 461780.	3.7	22
10	Searching for blue: Experiments with woad fermentation vats and an explanation of the colours through dye analysis. Journal of Archaeological Science: Reports, 2015, 2, 9-39.	0.5	15
11	Critical evaluation of micro-chemical analysis of archaeological materials. Experiences from the Netherlands Institute for Cultural Heritage. Mikrochimica Acta, 2008, 162, 433-446.	5.0	14
12	Characterization of a liquid-core waveguide cell for studying the chemistry of light-induced degradation. Analyst, The, 2021, 146, 3197-3207.	3.5	11
13	Liquid Core Waveguide Cell with In Situ Absorbance Spectroscopy and Coupled to Liquid Chromatography for Studying Light-Induced Degradation. Analytical Chemistry, 2022, 94, 7647-7654.	6.5	10
14	Comparing different light-degradation approaches for the degradation of crystal violet and eosin Y. Dyes and Pigments, 2022, 197, 109882.	3.7	8
15	Development and validation of an analytical protocol for the sampling and quantitative analysis of ions on the surface of unstable historic glass in museum collections using ion-exchange chromatography. Journal of Chromatography A, 2020, 1627, 461394.	3.7	6
16	Reproducing colourful woven bands from the Iron Age salt mine of Hallstatt in Austria: An interdisciplinary approach to acquire knowledge of prehistoric dyeing technology. Journal of Archaeological Science: Reports, 2015, 2, 569-595.	0.5	2