

Karsten Rebner

List of Publications by Year in descending order

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27
papers

434
citations

933447

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h-index

752698

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all docs

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docs citations

30
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Process Control by Using the Effective Scattering Coefficients to Determine the Fat Content in Homogenized Cow-Based Milk with Multivariate Data Modeling. ACS Food Science & Technology, 2022, 2, 548-557.	2.7	1
2	Oxygen plasma surface treatment of polymer filmsâ€”Pellethane 55DE and EPR-g-VTMS. Applied Surface Science, 2021, 536, 147782.	6.1	29
3	Formalin Fixation as Tissue Preprocessing for Multimodal Optical Spectroscopy Using the Example of Human Brain Tumour Cross Sections. Journal of Spectroscopy, 2021, 2021, 1-14.	1.3	9
4	Use of Hyperspectral Imaging for the Quantification of Organic Contaminants on Copper Surfaces for Electronic Applications. Sensors, 2021, 21, 5595.	3.8	3
5	Quantifying flux residues after soldering on technical copper using ultraviolet visible (UVâ€“Vis) spectroscopy and multivariate analysis. Microelectronics Reliability, 2021, 125, 114367.	1.7	1
6	Exploring the hidden depth by confocal Raman experiments with variable objective aperture and magnification. Analytical and Bioanalytical Chemistry, 2021, 413, 7093-7106.	3.7	2
7	UV Hyperspectral Imaging as Process Analytical Tool for the Characterization of Oxide Layers and Copper States on Direct Bonded Copper. Sensors, 2021, 21, 7332.	3.8	5
8	Comparison of Whiskbroom and Pushbroom darkfield elastic light scattering spectroscopic imaging for head and neck cancer identification in a mouse model. Analytical and Bioanalytical Chemistry, 2021, 413, 7363-7383.	3.7	7
9	Simultaneous Determination of Droplet Size, pH Value and Concentration to Evaluate the Aging Behavior of Metalworking Fluids. Sensors, 2021, 21, 8299.	3.8	5
10	Direct optical detection of cell density and viability of mammalian cells by means of UV/VIS spectroscopy. Analytical and Bioanalytical Chemistry, 2020, 412, 3359-3371.	3.7	12
11	A Process Analytical Concept for In-Line FTIR Monitoring of Polysiloxane Formation. Polymers, 2020, 12, 2473.	4.5	17
12	Effects of process parameters on silane grafting of liquid ethylene-propylene copolymer by reactive extrusion as quantified by response surface methodology. Polymer, 2020, 202, 122601.	3.8	10
13	Pigmentation of White, Brown, and Green Chicken Eggshells Analyzed by Reflectance, Transmittance, and Fluorescence Spectroscopy. ChemistryOpen, 2019, 8, 1084-1093.	1.9	7
14	Auger electron spectroscopy and UVâ€“Vis spectroscopy in combination with multivariate curve resolution analysis to determine the Cu ₂ O/CuO ratios in oxide layers on technical copper surfaces. Applied Surface Science, 2019, 486, 354-361.	6.1	9
15	A novel LEDâ€“based 2Dâ€“fluorescence spectroscopy system for inâ€“line monitoring of Chinese hamster ovary cell cultivations â€“ Part I. Engineering in Life Sciences, 2019, 19, 352-362.	3.6	25
16	Water Jacket Systems for Temperature Control of Petri Dish Cell Culture Chambers. Applied Sciences (Switzerland), 2019, 9, 621.	2.5	2
17	Characterization of Oxide Layers on Technical Copper Material Using Ultraviolet Visible (UV-Vis) Spectroscopy as a Rapid On-Line Analysis Tool. Applied Spectroscopy, 2019, 73, 59-66.	2.2	7
18	Comparative Raman study of transparent and turbid materials: models and experiments in the remote sensing mode. Analytical and Bioanalytical Chemistry, 2017, 409, 673-681.	3.7	7

#	ARTICLE	IF	CITATIONS
19	Process analytical techniques for hot-melt extrusion and their application to amorphous solid dispersions. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4321-4333.	3.7	40
20	Elastic and inelastic light scattering spectroscopy and its possible use for label-free brain tumor typing. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6613-6623.	3.7	12
21	Hyperspectral backscatter imaging: a label-free approach to cytogenetics. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5701-5709.	3.7	6
22	Extension of solid immersion lens technology to super-resolution Raman microscopy. <i>Nanospectroscopy</i> , 2014, 1, .	0.7	4
23	Penetration of Light into Multiple Scattering Media: Model Calculations and Reflectance Experiments. Part II: The Radial Transfer. <i>Applied Spectroscopy</i> , 2013, 67, 385-395.	2.2	11
24	Penetration of Light into Multiple Scattering Media: Model Calculations and Reflectance Experiments. Part I: The Axial Transfer. <i>Applied Spectroscopy</i> , 2012, 66, 934-943.	2.2	22
25	Hyperspectral Imaging: A Review of Best Practice, Performance and Pitfalls for in-line and on-line Applications. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 483-508.	1.5	127
26	Dark-field scattering microscopy for spectral characterization of polystyrene aggregates. <i>Optics Express</i> , 2010, 18, 3116.	3.4	24
27	Characterisation of oxide layers on technical copper based on visible hyperspectral imaging. <i>Journal of Spectral Imaging</i> , 0, , .	0.0	5