

# Wieland Hill

## List of Publications by Year in descending order

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29  
papers

806  
citations

687363

13  
h-index

642732

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

920  
citing authors

#	ARTICLE	IF	CITATIONS
1	XPS and SERS Study of Silicon Phthalocyanine Monolayers: An Umbrella vs Octopus Design Strategies for Formation of Oriented SAMs. <i>Langmuir</i> , 2001, 17, 4887-4894.	3.5	135
2	Potential- and pH-dependent surface-enhanced Raman scattering of p-mercapto aniline on silver and gold substrates. <i>The Journal of Physical Chemistry</i> , 1993, 97, 9451-9455.	2.9	120
3	Raman Study on the Structure of Cysteamine Monolayers on Silver. <i>Langmuir</i> , 1999, 15, 3162-3168.	3.5	97
4	Single-fibre surface-enhanced Raman sensors with angled tips. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 625-631.	2.5	65
5	Spike-correction of weak signals from charge-coupled devices and its application to Raman spectroscopy. <i>Analytical Chemistry</i> , 1992, 64, 2575-2579.	6.5	61
6	Detection of aromatics in aqueous solution by surface-enhanced Raman scattering by substrates chemically modified with p-tert-butylcalix[4]arenetetrathiol. <i>Analytical Chemistry</i> , 1995, 67, 3187-3192.	6.5	43
7	Laser Power Effects in SERS Spectroscopy at Thin Metal Films. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6330-6336.	2.6	37
8	Photoinduced reactions of methane with molybdena supported on silica. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987, 83, 2381.	1.0	32
9	Caries Detection by Diode Laser Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2000, 54, 795-799.	2.2	30
10	Investigation of the Adsorption of Gaseous Aromatic Compounds at Surfaces Coated with Heptakis(6-thio-6-deoxy)- $\beta$ -cyclodextrin by Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4707-4713.	2.6	29
11	Analysis of Odorous Vapor Exhaled from Rubber by Surface-Enhanced Raman Scattering. <i>Applied Spectroscopy</i> , 1999, 53, 547-550.	2.2	19
12	Detection of Caries and Composite Resin Restorations by Near-Infrared Raman Spectroscopy. <i>Applied Spectroscopy</i> , 1997, 51, 1265-1268.	2.2	16
13	Acoustic Trap for Simplified Micro-Sample Handling in Laser Spectroscopy. <i>Applied Spectroscopy</i> , 2000, 54, 1831-1836.	2.2	16
14	Real-Time Determination of Depth of Burial Profiles for Submarine Power Cables. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 1079-1086.	4.3	14
15	Feasibility Study of Raman Spectroscopy as a Tool to Investigate the Liquid-Phase Chemistry of Aliphatic Organic Peroxides. <i>Applied Spectroscopy</i> , 1997, 51, 74-80.	2.2	13
16	Fourier transform infrared study of the adsorption and of reactions of acetaldehyde on dispersed silica. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989, 85, 691.	1.0	12
17	Comment on a "Simple and Efficient Method to Eliminate Spike Noise from Spectra Recorded on Charge-Coupled Device Detectors". <i>Applied Spectroscopy</i> , 1993, 47, 2171-2172.	2.2	10
18	Detection of Aromatics in the Gas Phase by Surface-Enhanced Raman Scattering on Substrates Chemically Modified with p-tert-Butylcalix[4] Aretetrathiol. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 73, 223-236.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Non-Concentric Ladder Soil Model for Dynamic Rating of Buried Power Cables. IEEE Transactions on Power Delivery, 2021, 36, 235-243.	4.3	8
20	Single-mode distributed temperature sensing using OFDR. Proceedings of SPIE, 2010, , .	0.8	5
21	Temperature sensing in underground facilities by Raman optical frequency domain reflectometry using fiber-optic communication cables. Journal of Sensors and Sensor Systems, 2018, 7, 85-90.	0.9	3
22	Preliminary investigations into the interactions of herbicides with aqueous humic substances. Pest Management Science, 1997, 51, 450-454.	0.4	2
23	Distributed temperature monitoring of long distance submarine cables. , 2011, , .		2
24	Brillouin distributed temperature sensing system for monitoring of submarine export cables of off-shore wind farms. , 2016, , .		1
25	Continuous safeguarding of rating accuracy. CIRED - Open Access Proceedings Journal, 2017, 2017, 83-86.	0.1	1
26	Fiber-Optic Temperature Sensor for Bleed Air Leak Detection with cm-Scale Spatial Resolution. , 2020, , .		1
27	Refraktive Mikrooptiken â€œ Wie lassen sich Laser in industrielle Anlagen kompakt integrieren?. Laser Technik Journal, 2005, 2, 43-46.	0.2	0
28	Distributed Acoustic Sensing with 100 km Distance Range Using a Polarization-Diverse Coherent OTDR Interrogator. , 2021, , .		0
29	Long-Distance BOTDR Interrogator with Polarization- Diverse Coherent Detection and Power Evaluation. , 2021, , .		0