

John B Cooper

List of Publications by Year in descending order

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papers

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516710

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610901

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627
citing authors

#	ARTICLE	IF	CITATIONS
1	Microelectrode studies without supporting electrolyte: Model and experimental comparison for singly and multiply charged ions. <i>Journal of Electroanalytical Chemistry</i> , 1992, 331, 877-895.	3.8	98
2	Sequentially Shifted Excitation Raman Spectroscopy: Novel Algorithm and Instrumentation for Fluorescence-Free Raman Spectroscopy in Spectral Space. <i>Applied Spectroscopy</i> , 2013, 67, 973-984.	2.2	75
3	Determination of Octane Numbers and Reid Vapor Pressure of Commercial Petroleum Fuels Using FT-Raman Spectroscopy and Partial Least-Squares Regression Analysis. <i>Analytical Chemistry</i> , 1995, 67, 4096-4100.	6.5	62
4	Comparison of Near-IR, Raman, and Mid-IR Spectroscopies for the Determination of BTEX in Petroleum Fuels. <i>Applied Spectroscopy</i> , 1997, 51, 1613-1620.	2.2	59
5	A green heteropoly blue: isolation of a stable, odd oxidation level in a Dawson molybdate anion, [S ₂ Mo ₁₈ O ₆₂] ⁵⁻ . <i>Inorganic Chemistry</i> , 1993, 32, 2416-2420.	4.0	54
6	Redox and electroinsertion processes associated with the voltammetry of microcrystalline forms of Dawson molybdate anion salts mechanically attached to graphite electrodes and immersed in aqueous electrolyte media. <i>Journal of Electroanalytical Chemistry</i> , 1995, 396, 407-418.	3.8	54
7	Fabrication of Boron-Doped CVD Diamond Microelectrodes. <i>Analytical Chemistry</i> , 1998, 70, 464-467.	6.5	46
8	Systematic Electrochemical Synthesis of Reduced Forms of the $\hat{I}\pm$ -[S ₂ Mo ₁₈ O ₆₂] ⁴⁻ Anion ¹ . <i>Inorganic Chemistry</i> , 1997, 36, 4227-4233.	4.0	41
9	Spatially compressed dual-wavelength excitation Raman spectrometer. <i>Applied Optics</i> , 2014, 53, 3333.	1.8	40
10	Determination of Weight Percent Oxygen in Commercial Gasoline: A Comparison between FT-Raman, FT-IR, and Dispersive Near-IR Spectroscopies. <i>Applied Spectroscopy</i> , 1996, 50, 917-921.	2.2	38
11	Remote Fiber-Optic Raman Analysis of Xylene Isomers in Mock Petroleum Fuels Using a Low-Cost Dispersive Instrument and Partial Least-Squares Regression Analysis. <i>Applied Spectroscopy</i> , 1995, 49, 586-592.	2.2	33
12	Real-time in situ monitoring of the thermal cure of a bisphenol cyanate: A view toward intelligent processing. <i>Journal of Applied Polymer Science</i> , 1996, 62, 135-144.	2.6	20
13	Modulated FT-Raman Fiber-Optic Spectroscopy: A Technique for Remotely Monitoring High-Temperature Reactions in Real-Time. <i>Analytical Chemistry</i> , 1997, 69, 1973-1978.	6.5	20
14	Rapid Analysis of Jet Fuel Using a Handheld Near-Infrared (NIR) Analyzer. <i>Applied Spectroscopy</i> , 2011, 65, 187-192.	2.2	20
15	Calibration transfer of partial least squares jet fuel property models using a segmented virtual standards slope-bias correction method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 110, 64-73.	3.5	20
16	Microwave plasma chemical vapor deposited diamond tips for scanning tunneling microscopy. <i>Applied Physics Letters</i> , 1997, 71, 2848-2850.	3.3	18
17	Remote fiber optic Raman analysis of benzene, toluene, and ethylbenzene in mock petroleum fuels using partial least squares regression analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1235-1244.	3.9	16
18	Determination of octane numbers and Reid vapor pressure in commercial gasoline using dispersive fiber-optic Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997, 53, 199-206.	3.9	16

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19	Elimination of Mode Hopping and Frequency Hysteresis in Diode Laser Raman Spectroscopy: The Advantages of a Distributed Bragg Reflector Diode Laser for Raman Excitation. <i>Applied Spectroscopy</i> , 1995, 49, 1692-1698.	2.2	15
20	Calibration transfer of near-IR partial least squares property models of fuels using virtual standards. <i>Journal of Chemometrics</i> , 2011, 25, 496-505.	1.3	15
21	FT-Surface-Enhanced Raman Scattering of Phenylalanine Using Silver-Coated Glass Fiber Filters. <i>Spectroscopy Letters</i> , 2010, 43, 220-225.	1.0	14
22	Quantitative Raman Spectroscopy when the Signal-to-Noise is Below the Limit of Quantitation due to Fluorescence Interference: Advantages of a Moving Window Sequentially Shifted Excitation Approach. <i>Applied Spectroscopy</i> , 2016, 70, 1489-1501.	2.2	11
23	In situ Analysis of a High-Temperature Cure Reaction in Real Time Using Modulated Fiber-Optic FT-Raman Spectroscopy. <i>Applied Spectroscopy</i> , 1999, 53, 682-686.	2.2	9
24	Virtual Standard Slope and Bias Calibration Transfer of Partial Least Squares Jet Fuel Property Models to Multiple near Infrared Spectroscopy Instruments. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 139-150.	1.5	8