

# John B Cooper

## List of Publications by Year in descending order

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24  
papers

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citations

516710

16  
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610901

24  
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24  
docs citations

24  
times ranked

627  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Spatially compressed dual-wavelength excitation Raman spectrometer. <i>Applied Optics</i> , 2014, 53, 3333.	1.8	40
3	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
4	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
5	Rapid Analysis of Jet Fuel Using a Handheld Near-Infrared (NIR) Analyzer. <i>Applied Spectroscopy</i> , 2011, 65, 187-192.	2.2	20
6	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
7	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
8	FT-Surface-Enhanced Raman Scattering of Phenylalanine Using Silver-Coated Glass Fiber Filters. <i>Spectroscopy Letters</i> , 2010, 43, 220-225.	1.0	14
9	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
10	Fabrication of Boron-Doped CVD Diamond Microelectrodes. <i>Analytical Chemistry</i> , 1998, 70, 464-467.	6.5	46
11	Microwave plasma chemical vapor deposited diamond tips for scanning tunneling microscopy. <i>Applied Physics Letters</i> , 1997, 71, 2848-2850.	3.3	18
12	Systematic Electrochemical Synthesis of Reduced Forms of the $\text{[S}_2\text{Mo}_2\text{O}_6\text{]}^{4-}$ Anion. <i>Inorganic Chemistry</i> , 1997, 36, 4227-4233.	4.0	41
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	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
15	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
16	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
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	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	A green heteropoly blue: isolation of a stable, odd oxidation level in a Dawson molybdate anion, $[S_2Mo_{18}O_{62}]^{5-}$ . <i>Inorganic Chemistry</i> , 1993, 32, 2416-2420.	4.0	54
24	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