

Kevin Buckley

List of Publications by Year in descending order

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32
papers

1,002
citations

471061

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26
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docs citations

33
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Surgical Smoke Generated During Electrosurgery with Aerosolized Particulates from Ultrasonic and High-Speed Cutting. <i>Annals of Biomedical Engineering</i> , 2021, 49, 560-572.	1.3	8
2	Combined autofluorescence and diffuse reflectance for brain tumour surgical guidance: initial ex vivo study results. <i>Biomedical Optics Express</i> , 2021, 12, 2432.	1.5	11
3	Raman Spectroscopy of Blood and Blood Components. <i>Applied Spectroscopy</i> , 2017, 71, 767-793.	1.2	207
4	Applications of Raman Spectroscopy in Biopharmaceutical Manufacturing: A Short Review. <i>Applied Spectroscopy</i> , 2017, 71, 1085-1116.	1.2	122
5	Spatially offset Raman spectroscopy for photon migration studies in bones with different mineralization levels. <i>Analyst, The</i> , 2017, 142, 3219-3226.	1.7	19
6	Assessment of photon migration for subsurface probing in selected types of bone using spatially offset Raman spectroscopy. , 2016, , .		1
7	Raman spectroscopy as a novel tool for monitoring biochemical changes and inter-donor variability in stored red blood cell units. <i>Analyst, The</i> , 2016, 141, 3319-3327.	1.7	20
8	Is the Collagen Primed for Mineralization in Specific Regions of the Turkey Tendon? An Investigation of the Proteinâ€“Mineral Interface Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 1559-1563.	3.2	10
9	Photon migration of Raman signal in bone as measured with spatially offset Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 240-247.	1.2	15
10	Non-invasive spectroscopy of transfusable red blood cells stored inside sealed plastic blood-bags. <i>Analyst, The</i> , 2016, 141, 1678-1685.	1.7	44
11	Towards the <i>in vivo</i> prediction of fragility fractures with Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 610-618.	1.2	53
12	Spatially offset Raman spectroscopy for photon migration investigations in long bone. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
13	Raman spectroscopy of stored red blood cells: evaluating clinically-relevant biochemical markers in donated blood. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
14	The use of laser spectroscopy to investigate bone disease in King Henry VIII's sailors. <i>Journal of Archaeological Science</i> , 2015, 53, 516-520.	1.2	7
15	Raman spectroscopy of stored red blood cells: evaluating clinically relevant biochemical markers in donated blood. , 2015, , .		3
16	Spatially Offset Raman Spectroscopy for photon migration investigations in long bone. , 2015, , .		0
17	Functional adaptation of long bone extremities involves the localized â€œtuningâ€ of the cortical bone composition; evidence from Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2014, 19, 111602.	1.4	17
18	Decomposition of <i>in vivo</i> spatially offset Raman spectroscopy data using multivariate analysis techniques. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 188-192.	1.2	38

#	ARTICLE	IF	CITATIONS
19	Evidence from Raman Spectroscopy of a Putative Link Between Inherent Bone Matrix Chemistry and Degenerative Joint Disease. <i>Arthritis and Rheumatology</i> , 2014, 66, 1237-1246.	2.9	31
20	Measurement of abnormal bone composition in vivo using noninvasive Raman spectroscopy. <i>IBMS BoneKEy</i> , 2014, 11, 602.	0.1	30
21	Millimeter-Scale Mapping of Cortical Bone Reveals Organ-Scale Heterogeneity. <i>Applied Spectroscopy</i> , 2014, 68, 510-514.	1.2	4
22	Non-Invasive Detection of Concealed Liquid and Powder Explosives Using Spatially Offset Raman spectroscopy. , 2012, , 289-294.		0
23	Raman spectroscopy reveals differences in collagen secondary structure which relate to the levels of mineralisation in bones that have evolved for different functions. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1237-1243.	1.2	42
24	Non-invasive analysis of turbid samples using deep Raman spectroscopy. <i>Analyst, The</i> , 2011, 136, 3039-3050.	1.7	70
25	Recent advances in the application of transmission Raman spectroscopy to pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 645-652.	1.4	107
26	Antiphase dynamics in a multimode semiconductor laser with optical injection. <i>Physical Review A</i> , 2009, 79, .	1.0	27
27	All-optical memory based on the injection locking bistability of a two-color laser diode. <i>Optics Express</i> , 2009, 17, 6293.	1.7	56
28	Technique for Enhancing Signal in Conventional Backscattering Fluorescence and Raman Spectroscopy of Turbid Media. <i>Analytical Chemistry</i> , 2008, 80, 6006-6009.	3.2	6
29	Two-colour Fabry-Perot laser with terahertz primary mode spacing. <i>Electronics Letters</i> , 2007, 43, 224.	0.5	3
30	Injection driven chaotic dynamics of a two-colour Fabry-Perot laser diode. , 2007, , .		0
31	Design of Single-Mode and Two-Color Fabry-Perot Lasers With Patterned Refractive Index. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007, 13, 1157-1163.	1.9	29
32	Inverse scattering approach to multiwavelength Fabry-Perot laser design. <i>Physical Review A</i> , 2006, 74, .	1.0	17