

Joanne Dyer

List of Publications by Year in descending order

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32
papers

1,140
citations

394421

19
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Broadband Picosecond Infrared Spectrometer and its Incorporation into an Existing Ultrafast Time-Resolved Resonance Raman, UV/Visible, and Fluorescence Spectroscopic Apparatus. <i>Applied Spectroscopy</i> , 2003, 57, 367-380.	2.2	147
2	The photophysics of fac-[Re(CO) ₃ (dppz)(py)] ⁺ in CH ₃ CN: a comparative picosecond flash photolysis, transient infrared, transient resonance Raman and density functional theoretical study Dedicated to the memory of Nobel Laureate, Lord George Porter FRSC FRS OM.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 542.	2.9	95
3	Photooxidation of Guanine by a Ruthenium Dipyridophenazine Complex Intercalated in a Double-Stranded Polynucleotide Monitored Directly by Picosecond Visible and Infrared Transient Absorption Spectroscopy. <i>Chemistry - A European Journal</i> , 2008, 14, 369-375.	3.3	95
4	A covalently linked phenanthridine-ruthenium(ii) complex as a RNA probe. <i>Chemical Communications</i> , 2009, , 2640.	4.1	85
5	Using picosecond and nanosecond time-resolved infrared spectroscopy for the investigation of excited states and reaction intermediates of inorganic systems Based on the presentation given at Dalton Discussion No. 6, 9 th 11th September 2003, University of York, UK.. <i>Dalton Transactions</i> , 2003, , 3996.	3.3	73
6	Inorganic-Organic Hybrid Luminescent Binary Probe for DNA Detection Based on Spin-Forbidden Resonance Energy Transfer. <i>Journal of the American Chemical Society</i> , 2007, 129, 8680-8681.	13.7	59
7	Fibre optic reflectance spectroscopy and multispectral imaging for the non-invasive investigation of Asian colourants in Chinese textiles from Dunhuang (7th-10th century AD). <i>Dyes and Pigments</i> , 2019, 162, 494-511.	3.7	59
8	Monitoring the effect of ultrafast deactivation of the electronic excited states of DNA bases and polynucleotides following 267 nm laser excitation using picosecond time-resolved infrared spectroscopy. <i>Chemical Communications</i> , 2005, , 1182.	4.1	54
9	Investigation into the reactivity of M(1-5-C5R5)(CO) ₂ (alkane) (M = Mn or Re; R = H, Me or Ph); Tj ETQq1 1 0.784314 rg temperature. <i>Dalton Transactions RSC</i> , 2000, , 1901-1906.	2.3	52
10	Phosphorylation State-Responsive Lanthanide Peptide Conjugates: A Luminescence Switch Based on Reversible Complex Reorganization. <i>Organic Letters</i> , 2006, 8, 2723-2726.	4.6	48
11	A multispectral imaging approach integrated into the study of Late Antique textiles from Egypt. <i>PLoS ONE</i> , 2018, 13, e0204699.	2.5	39
12	The characterisation of shellac resin by flow injection and liquid chromatography coupled with electrospray ionisation and mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 14784.	3.3	35
13	Excited state dependent electron transfer of a rhenium-dipyridophenazine complex intercalated between the base pairs of DNA: a time-resolved UV-visible and IR absorption investigation into the photophysics of fac-[Re(CO) ₃ (F2dppz)(py)] ⁺ bound to either [poly(dA-dT)] ₂ or [poly(dG-dC)] ₂ . <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1355.	2.9	32
14	Solvent dependent photophysics of fac-[Re(CO) ₃ (11,12-X ₂ dppz)(py)] ⁺ (X = H, F or Me). <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 741.	2.9	31
15	A technical step forward in the integration of visible-induced luminescence imaging methods for the study of ancient polychromy. <i>Heritage Science</i> , 2017, 5, .	2.3	31
16	Compositional and Micro-Morphological Characterisation of Red Colourants in Archaeological Textiles from Pharaonic Egypt. <i>Molecules</i> , 2019, 24, 3761.	3.8	29
17	The identification of lac as a pigment in ancient Greek polychromy - The case of a Hellenistic oinochoe from Canosa di Puglia. <i>Dyes and Pigments</i> , 2018, 149, 122-132.	3.7	25
18	Ancient encaustic: An experimental exploration of technology, ageing behaviour and approaches to analytical investigation. <i>Microchemical Journal</i> , 2018, 138, 472-487.	4.5	23

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19	Historical formulations of lake pigments and dyes derived from lac: A study of compositional variability. <i>Dyes and Pigments</i> , 2019, 170, 107579.	3.7	22
20	Revealing the photophysics of fac-[(dppz-12-NO ₂)Re(CO) ₃ (4-Me ₂ Npy)] ⁺ : a picosecond time-resolved IR study Electronic supplementary information (ESI) available: synthetic procedures, product characterization and brief description of ps-TSIR experiments. See http://www.rsc.org/suppdata/cc/b2/b200586g/ . <i>Chemical Communications</i> , 2002, , 872-873.	4.1	19
21	Photolysis of Dibenzyl Ketones Sorbed on MFI Zeolites in the Presence of Spectator Molecules: Cage Effects, Kinetics, and External Surface Sites Characterization. <i>Journal of the American Chemical Society</i> , 2008, 130, 11344-11354.	13.7	18
22	Two-Photon Induced Uncaging of a Reactive Intermediate. Multiphoton In Situ Detection of a Potentially Valuable Label for Biological Applications. <i>Journal of Organic Chemistry</i> , 2005, 70, 2143-2147.	3.2	14
23	A multi-scalar investigation of the colouring materials used in textile wrappings of Egyptian votive animal mummies. <i>Heritage Science</i> , 2021, 9, .	2.3	13
24	Developing a systematic approach to determine the sequence of impressions of Japanese woodblock prints: the case of Hokusai's "Red Fuji". <i>Heritage Science</i> , 2019, 7, .	2.3	9
25	FRETView: a computer program to simplify the process of obtaining fluorescence resonance energy transfer parameters. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 909.	2.9	7
26	Shedding light on the colours of medieval alabaster sculptures: Scientific analysis and digital reconstruction of their original polychromy. <i>Color Research and Application</i> , 2019, 44, 221-233.	1.6	7
27	Controlled diastereoselectivity at the alkene-geometry through selective encapsulation: E-Z photoisomerization of oxazolidinone-functionalized enecarbamates within hydrophobic nano-cavities. <i>Chemical Communications</i> , 2007, , 819-821.	4.1	6
28	Bordering on Asian Paintings: Dye Analysis of Textile Borders and Mount Elements to Complement Research on Asian Pictorial Art. <i>Heritage</i> , 2021, 4, 4344-4365.	1.9	6
29	Ultrafast transient absorption studies of ruthenium and rhenium dipyrrophenazine complexes bound to DNA and polynucleotides. , 2003, , .		3
30	Science at the museum. <i>Nature Materials</i> , 2018, 17, 110-111.	27.5	3
31	FT-IR Characterization of the Distribution of 2-Phenylcycloalkanones in Micellar Environments. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8046-8050.	3.1	1
32	Contribution from DAVID PHILLIPS. , 2006, , 449-467.		0