

Hugh J. Byrne

List of Publications by Year in descending order

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404
papers

14,472
citations

22099

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30848

102
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416
all docs

416
docs citations

416
times ranked

16140
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Classification of cytological samples from oral potentially malignant lesions through Raman spectroscopy: A pilot study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120437. | 2.0 | 4 |
| 2 | In vitro toxicological evaluation of mesoporous silica microparticles functionalised with carvacrol and thymol. <i>Food and Chemical Toxicology</i> , 2022, 160, 112778. | 1.8 | 4 |
| 3 | Monitoring water content in NADES extracts from <i>Spirulina</i> biomass by means of ATR-IR spectroscopy. <i>Analytical Methods</i> , 2022, , . | 1.3 | 1 |
| 4 | Limits of Detection of Mycotoxins by Laminar Flow Strips: A Review. <i>Applied Nano</i> , 2022, 3, 91-101. | 0.9 | 4 |
| 5 | Estimating the Analytical Performance of Raman Spectroscopy for Quantification of Active Ingredients in Human Stratum Corneum. <i>Molecules</i> , 2022, 27, 2843. | 1.7 | 9 |
| 6 | Combining Pharmacokinetics and Vibrational Spectroscopy: MCR-ALS Hard-and-Soft Modelling of Drug Uptake In Vitro Using Tailored Kinetic Constraints. <i>Cells</i> , 2022, 11, 1555. | 1.8 | 1 |
| 7 | Contributions of Vibrational Spectroscopy to Virology: A Review. <i>Clinical Spectroscopy</i> , 2022, , 100022. | 0.6 | 6 |
| 8 | Understanding the discrimination and quantification of monoclonal antibodies preparations using Raman spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113734. | 1.4 | 9 |
| 9 | Label-free screening of biochemical changes in macrophage-like cells following MoS ₂ exposure using Raman micro-spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 118916. | 2.0 | 4 |
| 10 | Identification of <i>Aspergillus</i> species in human blood plasma by infrared spectroscopy and machine learning. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119259. | 2.0 | 7 |
| 11 | Monitoring the biochemical changes occurring to human keratinocytes exposed to solar radiation by Raman spectroscopy. <i>Journal of Biophotonics</i> , 2021, 14, e202000337. | 1.1 | 4 |
| 12 | Monitoring stem cell differentiation using Raman microspectroscopy: chondrogenic differentiation, towards cartilage formation. <i>Analyst</i> , The, 2021, 146, 322-337. | 1.7 | 5 |
| 13 | The Potential of Raman Spectroscopy in the Diagnosis of Dysplastic and Malignant Oral Lesions. <i>Cancers</i> , 2021, 13, 619. | 1.7 | 12 |
| 14 | Diagnostics of a large volume pin-to-plate atmospheric plasma source for the study of plasma species interactions with cancer cell cultures. <i>Plasma Processes and Polymers</i> , 2021, 18, 2000250. | 1.6 | 15 |
| 15 | Vibrational spectroscopy for discrimination and quantification of clinical chemotherapeutic preparations. <i>Vibrational Spectroscopy</i> , 2021, 113, 103200. | 1.2 | 10 |
| 16 | Biochemical impact of solar radiation exposure on human keratinocytes monitored by Raman spectroscopy; effects of cell culture environment. <i>Journal of Biophotonics</i> , 2021, 14, e202100058. | 1.1 | 0 |
| 17 | Raman spectroscopic characterisation of non stimulated and stimulated human whole saliva. <i>Clinical Spectroscopy</i> , 2021, 3, 100010. | 0.6 | 7 |
| 18 | Biomedical applications of vibrational spectroscopy: Oral cancer diagnostics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119470. | 2.0 | 25 |

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|----|---|-----|-----------|
| 19 | Raman spectral cytopathology for cancer diagnostic applications. <i>Nature Protocols</i> , 2021, 16, 3716-3735. | 5.5 | 23 |
| 20 | The potential of FT-IR spectroscopy for improving healthcare in sepsis – An animal model study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 34, 102312. | 1.3 | 1 |
| 21 | Comparison of Raman and attenuated total reflectance (ATR) infrared spectroscopy for water quantification in natural deep eutectic solvent. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4785-4799. | 1.9 | 12 |
| 22 | In situ Analytical Quality Control of chemotherapeutic solutions in infusion bags by Raman spectroscopy. <i>Talanta</i> , 2021, 228, 122137. | 2.9 | 10 |
| 23 | Cytotoxic Effects of 5-Azacytidine on Primary Tumour Cells and Cancer Stem Cells from Oral Squamous Cell Carcinoma: An In Vitro FTIRM Analysis. <i>Cells</i> , 2021, 10, 2127. | 1.8 | 18 |
| 24 | In Situ Water Quantification in Natural Deep Eutectic Solvents Using Portable Raman Spectroscopy. <i>Molecules</i> , 2021, 26, 5488. | 1.7 | 5 |
| 25 | From bench to worktop: Rapid evaluation of nutritional parameters in liquid foodstuffs by IR spectroscopy. <i>Food Chemistry</i> , 2021, 365, 130442. | 4.2 | 3 |
| 26 | Reusable and highly sensitive SERS immunoassay utilizing gold nanostars and a cellulose hydrogel-based platform. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7516-7529. | 2.9 | 18 |
| 27 | Multiplexed Fourier Transform Infrared and Raman Imaging. <i>Methods in Molecular Biology</i> , 2021, 2350, 299-312. | 0.4 | 0 |
| 28 | ATR-Spin: an open-source 3D printed device for direct cytocentrifugation onto attenuated total reflectance crystals. <i>Lab on A Chip</i> , 2021, 21, 4743-4748. | 3.1 | 0 |
| 29 | Rapid Classification of Respiratory Syncytial Virus and Sendai Virus by a Low-cost and Portable Near-infrared Spectrometer. , 2021, , . | | 0 |
| 30 | Confocal Raman Spectroscopic Imaging for Evaluation of Distribution of Nano-Formulated Hydrophobic Active Cosmetic Ingredients in Hydrophilic Films. <i>Molecules</i> , 2021, 26, 7440. | 1.7 | 5 |
| 31 | Data mining Raman microspectroscopic responses of cells to drugs in vitro using multivariate curve resolution-alternating least squares. <i>Talanta</i> , 2020, 208, 120386. | 2.9 | 10 |
| 32 | Self-cleaning hydrophobic nanocoating on glass: A scalable manufacturing process. <i>Materials Chemistry and Physics</i> , 2020, 239, 122000. | 2.0 | 36 |
| 33 | Potential of Raman spectroscopy for the analysis of plasma/serum in the liquid state: recent advances. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1993-2007. | 1.9 | 43 |
| 34 | <i>In vitro</i> localisation and degradation of few-layer MoS ₂ submicrometric plates in human macrophage-like cells: a label free Raman micro-spectroscopic study. <i>2D Materials</i> , 2020, 7, 025003. | 2.0 | 13 |
| 35 | Quantification of low-content encapsulated active cosmetic ingredients in complex semi-solid formulations by means of attenuated total reflectance-infrared spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 159-169. | 1.9 | 5 |
| 36 | Exploiting fourier transform infrared and Raman microspectroscopies on cancer stem cells from oral squamous cells carcinoma: new evidence of acquired cisplatin chemoresistance. <i>Analyst</i> , The, 2020, 145, 8038-8049. | 1.7 | 22 |

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|----|--|-----|-----------|
| 37 | Raman mapping coupled to self-modelling MCR-ALS analysis to estimate active cosmetic ingredient penetration profile in skin. <i>Journal of Biophotonics</i> , 2020, 13, e202000136. | 1.1 | 11 |
| 38 | A pilot study for early detection of oral premalignant diseases using oral cytology and Raman microspectroscopy: Assessment of confounding factors. <i>Journal of Biophotonics</i> , 2020, 13, e202000079. | 1.1 | 10 |
| 39 | Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 15745-15756. | 3.2 | 46 |
| 40 | Multimodal vibrational studies of drug uptake in vitro: Is the whole greater than the sum of their parts?. <i>Journal of Biophotonics</i> , 2020, 13, e202000264. | 1.1 | 5 |
| 41 | Vibrational Spectroscopy for In Vitro Monitoring Stem Cell Differentiation. <i>Molecules</i> , 2020, 25, 5554. | 1.7 | 6 |
| 42 | In vitro Label Free Raman Microspectroscopic Analysis to Monitor the Uptake, Fate and Impacts of Nanoparticle Based Materials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 544311. | 2.0 | 10 |
| 43 | Outstanding Reviewers for <i>Analyst</i> in 2019. <i>Analyst, The</i> , 2020, 145, 4068-4068. | 1.7 | 0 |
| 44 | Vibrational spectroscopic analysis and quantification of proteins in human blood plasma and serum. , 2020, , 269-314. | | 6 |
| 45 | European Conference on the Spectroscopy of Biological Molecules“ Dublin 2019. <i>Biomedical Spectroscopy and Imaging</i> , 2020, 9, 1-4. | 1.2 | 0 |
| 46 | Quantitative analysis of human blood serum using vibrational spectroscopy. <i>Clinical Spectroscopy</i> , 2020, 2, 100004. | 0.6 | 48 |
| 47 | ATR-IR spectroscopy for rapid quantification of water content in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020, 311, 113361. | 2.3 | 28 |
| 48 | Raman microspectroscopic study for the detection of oral field cancerisation using brush biopsy samples. <i>Journal of Biophotonics</i> , 2020, 13, e202000131. | 1.1 | 7 |
| 49 | Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064. | 3.2 | 50 |
| 50 | Can ethanol affect the cell structure? A dynamic molecular and Raman spectroscopy study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101675. | 1.3 | 4 |
| 51 | Cold Atmospheric Plasma Stimulates Clathrin-Dependent Endocytosis to Repair Oxidised Membrane and Enhance Uptake of Nanomaterial in Glioblastoma Multiforme Cells. <i>Scientific Reports</i> , 2020, 10, 6985. | 1.6 | 23 |
| 52 | Comparative study of oral dysplasia by conventional and surface enhanced Raman spectroscopy of whole saliva. , 2020, , . | | 2 |
| 53 | Raman spectroscopy as a potential tool for label free therapeutic drug monitoring in human serum: the case of busulfan and methotrexate. <i>Analyst, The</i> , 2019, 144, 5207-5214. | 1.7 | 22 |
| 54 | On the use of vibrational spectroscopy and scanning electron microscopy to study phenolic extractability of cooperage byproducts in wine. <i>European Food Research and Technology</i> , 2019, 245, 2209-2220. | 1.6 | 3 |

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|----|--|-----|-----------|
| 55 | Design and Simple Assembly of Gold Nanostar Bioconjugates for Surface-Enhanced Raman Spectroscopy Immunoassays. <i>Nanomaterials</i> , 2019, 9, 1561. | 1.9 | 19 |
| 56 | Raman spectroscopy of blood plasma samples from breast cancer patients at different stages. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117210. | 2.0 | 56 |
| 57 | Exploring subcellular responses of prostate cancer cells to X-ray exposure by Raman mapping. <i>Scientific Reports</i> , 2019, 9, 8715. | 1.6 | 19 |
| 58 | Raman spectroscopic screening of high and low molecular weight fractions of human serum. <i>Analyst, The</i> , 2019, 144, 4295-4311. | 1.7 | 35 |
| 59 | Principal components analysis of Raman spectral data for screening of Hepatitis C infection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117173. | 2.0 | 36 |
| 60 | Numerically modelling time and dose dependent cytotoxicity. <i>Computational Toxicology</i> , 2019, 12, 100090. | 1.8 | 12 |
| 61 | A novel, rapid, seedless, in situ synthesis method of shape and size controllable gold nanoparticles using phosphates. <i>Scientific Reports</i> , 2019, 9, 7421. | 1.6 | 12 |
| 62 | Qualitative and quantitative analysis of therapeutic solutions using Raman and infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 97-108. | 2.0 | 31 |
| 63 | Analysis of bodily fluids using vibrational spectroscopy: a direct comparison of Raman scattering and infrared absorption techniques for the case of glucose in blood serum. <i>Analyst, The</i> , 2019, 144, 3334-3346. | 1.7 | 31 |
| 64 | Nutraceutical formulation, characterisation, and in-vitro evaluation of methylselenocysteine and selenocysteine using food derived chitosan:zein nanoparticles. <i>Food Research International</i> , 2019, 120, 295-304. | 2.9 | 19 |
| 65 | Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, . | 1.4 | 15 |
| 66 | Improved performance of near infrared excitation Raman spectroscopy using reflective thin-film gold on glass substrates for cytology samples. <i>Analytical Methods</i> , 2019, 11, 6023-6032. | 1.3 | 5 |
| 67 | Developing Gold Nanoparticles-Conjugated Aflatoxin B1 Antifungal Strips. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6260. | 1.8 | 18 |
| 68 | Raman spectroscopic analysis of saliva for the diagnosis of oral cancer: A systematic review. <i>Translational Biophotonics</i> , 2019, 1, e201900001. | 1.4 | 20 |
| 69 | Two-dimensional correlation analysis of Raman microspectroscopy of subcellular interactions of drugs in vitro. <i>Journal of Biophotonics</i> , 2019, 12, e201800328. | 1.1 | 12 |
| 70 | Vibrational characterization of granulosa cells from patients affected by unilateral ovarian endometriosis: New insights from infrared and Raman microspectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 206-214. | 2.0 | 32 |
| 71 | Graphene Nanoflake Uptake Mediated by Scavenger Receptors. <i>Nano Letters</i> , 2019, 19, 1260-1268. | 4.5 | 45 |
| 72 | Combination Strategies for Targeted Delivery of Nanoparticles for Cancer Therapy. , 2019, , 191-219. | | 8 |

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|----|--|-----|-----------|
| 73 | Label-free infrared spectroscopic imaging for characterization of necrotic tissue areas on cutaneous squamous cell carcinoma. , 2019, , . | | 0 |
| 74 | Assessing the spectrochemical signatures of skin components using FTIR microspectroscopy. , 2019, , . | | 0 |
| 75 | Clinical applications of infrared and Raman spectroscopy: state of play and future challenges. Analyst, The, 2018, 143, 1735-1757. | 1.7 | 163 |
| 76 | Raman spectral analysis for rapid screening of dengue infection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 136-142. | 2.0 | 53 |
| 77 | Toxicological assessment of nanomaterials: the role of in vitro Raman microspectroscopic analysis. Analytical and Bioanalytical Chemistry, 2018, 410, 1631-1646. | 1.9 | 21 |
| 78 | Confocal Raman spectroscopic imaging for in vitro monitoring of active ingredient penetration and distribution in reconstructed human epidermis model. Journal of Biophotonics, 2018, 11, e201700221. | 1.1 | 18 |
| 79 | ATR-IR coupled to partial least squares regression (PLSR) for monitoring an encapsulated active molecule in complex semi-solid formulations. Analyst, The, 2018, 143, 2377-2389. | 1.7 | 6 |
| 80 | Cold Atmospheric Plasma Induces ATP-Dependent Endocytosis of Nanoparticles and Synergistic U373MG Cancer Cell Death. Scientific Reports, 2018, 8, 5298. | 1.6 | 62 |
| 81 | Doxorubicin kinetics and effects on lung cancer cell lines using <i>in vitro</i> Raman microâ€spectroscopy: binding signatures, drug resistance and DNA repair. Journal of Biophotonics, 2018, 11, e201700060. | 1.1 | 29 |
| 82 | An <i>in vitro</i> study of the interaction of the chemotherapeutic drug Actinomycin D with lung cancer cell lines using Raman microâ€spectroscopy. Journal of Biophotonics, 2018, 11, e201700112. | 1.1 | 19 |
| 83 | In vitro labelâ€free screening of chemotherapeutic drugs using Raman microspectroscopy: Towards a new paradigm of spectralomics. Journal of Biophotonics, 2018, 11, e201700258. | 1.1 | 21 |
| 84 | Label-free discrimination analysis of de-differentiated vascular smooth muscle cells, mesenchymal stem cells and their vascular and osteogenic progeny using vibrational spectroscopy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 343-353. | 1.9 | 13 |
| 85 | K-means and Hierarchical Cluster Analysis as segmentation algorithms of FTIR hyperspectral images collected from cutaneous tissue. , 2018, , . | | 3 |
| 86 | Raman spectroscopic analysis of high molecular weight proteins in solution â€ considerations for sample analysis and data pre-processing. Analyst, The, 2018, 143, 5987-5998. | 1.7 | 26 |
| 87 | Raman spectroscopy detects biochemical changes due to different cell culture environments in live cells in vitro. Analytical and Bioanalytical Chemistry, 2018, 410, 7537-7550. | 1.9 | 9 |
| 88 | Enabling quantification of protein concentration in human serum biopsies using attenuated total reflectance â€ Fourier transform infrared (ATR-FTIR) spectroscopy. Vibrational Spectroscopy, 2018, 99, 50-58. | 1.2 | 37 |
| 89 | pH-Dependent silica nanoparticle dissolution and cargo release. Colloids and Surfaces B: Biointerfaces, 2018, 169, 242-248. | 2.5 | 28 |
| 90 | Reactive oxygen species and nitric oxide signaling in bystander cells. PLoS ONE, 2018, 13, e0195371. | 1.1 | 32 |

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|-----|---|-----|-----------|
| 91 | Toxicology of Engineered Nanoparticles: Focus on Poly(amidoamine) Dendrimers. International Journal of Environmental Research and Public Health, 2018, 15, 338. | 1.2 | 48 |
| 92 | Investigating the Role of Gold Nanoparticle Shape and Size in Their Toxicities to Fungi. International Journal of Environmental Research and Public Health, 2018, 15, 998. | 1.2 | 23 |
| 93 | Nano-Bio Interactions: Nanomedicine and Nanotoxicology. International Journal of Environmental Research and Public Health, 2018, 15, 1222. | 1.2 | 1 |
| 94 | Comparative studies of cellular viability levels on 2D and 3D in vitro culture matrices. Cytotechnology, 2018, 70, 261-273. | 0.7 | 33 |
| 95 | Application of Box-Behnken experimental design for the formulation and optimisation of selenomethionine-loaded chitosan nanoparticles coated with zein for oral delivery. International Journal of Pharmaceutics, 2018, 551, 257-269. | 2.6 | 24 |
| 96 | Advancing Raman microspectroscopy for cellular and subcellular analysis: towards in vitro high-content spectralomic analysis. Applied Optics, 2018, 57, E11. | 0.9 | 22 |
| 97 | Multicomponent analysis using a confocal Raman microscope. Applied Optics, 2018, 57, E118. | 0.9 | 4 |
| 98 | Investigation of wavenumber calibration for Raman spectroscopy using a polymer standard. , 2018, , . | | 4 |
| 99 | Diagnosis of advanced skin cancer using Infrared spectral histopathology. , 2018, , . | | 0 |
| 100 | Quantifying the concentration of glucose, urea, and lactic acid in mixture by confocal Raman microscopy. , 2018, , . | | 0 |
| 101 | Abstract 1060: Longitudinal profiling of plasma derived extracellular vesicles (EVs) from women presenting with metastatic triple-negative breast cancer (mTNBC) informs on metastatic location and treatment outcome. , 2018, , . | | 0 |
| 102 | Differentiating responses of lung cancer cell lines to Doxorubicin exposure: <i>in vitro</i> Raman micro spectroscopy, oxidative stress and bcl-2 protein expression. Journal of Biophotonics, 2017, 10, 151-165. | 1.1 | 42 |
| 103 | Development of methodology for Raman microspectroscopic analysis of oral exfoliated cells. Analytical Methods, 2017, 9, 937-948. | 1.3 | 16 |
| 104 | Linking ATR-FTIR and Raman features to phenolic extractability and other attributes in grape skin. Talanta, 2017, 167, 44-50. | 2.9 | 46 |
| 105 | Study of phenolic extractability in grape seeds by means of ATR-FTIR and Raman spectroscopy. Food Chemistry, 2017, 232, 602-609. | 4.2 | 63 |
| 106 | Retention systems for extraoral maxillofacial prosthetic implants: a critical review. British Journal of Oral and Maxillofacial Surgery, 2017, 55, 763-769. | 0.4 | 33 |
| 107 | Prediction of viral loads for diagnosis of Hepatitis C infection in human plasma samples using Raman spectroscopy coupled with partial least squares regression analysis. Journal of Raman Spectroscopy, 2017, 48, 697-704. | 1.2 | 61 |
| 108 | Industrial grade 2D molybdenum disulphide (MoS ₂): an <i>in vitro</i> exploration of the impact on cellular uptake, cytotoxicity, and inflammation. 2D Materials, 2017, 4, 025065. | 2.0 | 57 |

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|-----|---|-----|-----------|
| 109 | Outstanding Reviewers for Analyst in 2016. Analyst, The, 2017, 142, 1009-1009. | 1.7 | 0 |
| 110 | Ultra-filtration of human serum for improved quantitative analysis of low molecular weight biomarkers using ATR-IR spectroscopy. Analyst, The, 2017, 142, 1285-1298. | 1.7 | 56 |
| 111 | How Adverse Outcome Pathways Can Aid the Development and Use of Computational Prediction Models for Regulatory Toxicology. Toxicological Sciences, 2017, 155, 326-336. | 1.4 | 125 |
| 112 | Pristine carbon nanotube scaffolds for the growth of chondrocytes. Journal of Materials Chemistry B, 2017, 5, 8178-8182. | 2.9 | 13 |
| 113 | Determination of spectral markers of cytotoxicity and genotoxicity using in vitro Raman microspectroscopy: cellular responses to polyamidoamine dendrimer exposure. Analyst, The, 2017, 142, 3848-3856. | 1.7 | 13 |
| 114 | An insight into the superior performance of a gold nanocatalyst on single wall carbon nanotubes to that on titanium dioxide and amorphous carbon for the green aerobic oxidation of aromatic alcohols. New Carbon Materials, 2017, 32, 242-251. | 2.9 | 6 |
| 115 | Formulation, Characterization and Stability Assessment of a Food-Derived Tripeptide, Leucine-Lysine-Proline Loaded Chitosan Nanoparticles. Journal of Food Science, 2017, 82, 2094-2104. | 1.5 | 6 |
| 116 | Label-free, high content screening using Raman microspectroscopy: the toxicological response of different cell lines to amine-modified polystyrene nanoparticles (PS-NH ₂). Analyst, The, 2017, 142, 3500-3513. | 1.7 | 15 |
| 117 | Raman spectroscopic analysis of oral cells in the high wavenumber region. Experimental and Molecular Pathology, 2017, 103, 255-262. | 0.9 | 19 |
| 118 | A Natural, Calcium-Rich Marine Multi-mineral Complex Preserves Bone Structure, Composition and Strength in an Ovariectomised Rat Model of Osteoporosis. Calcified Tissue International, 2017, 101, 445-455. | 1.5 | 19 |
| 119 | Comparative study of the structural and physicochemical properties of two food derived antihypertensive tri-peptides, Isoleucine-Proline-Proline and Leucine-Lysine-Proline encapsulated into a chitosan based nanoparticle system. Innovative Food Science and Emerging Technologies, 2017, 44, 139-148. | 2.7 | 14 |
| 120 | Effects of Self-directed Exercise Programmes on Individuals with Type 2 Diabetes Mellitus: A Systematic Review Evaluating Their Effect on HbA1c and Other Metabolic Outcomes, Physical Characteristics, Cardiorespiratory Fitness and Functional Outcomes. Sports Medicine, 2017, 47, 717-733. | 3.1 | 29 |
| 121 | Vibrational spectroscopy as a tool for studying drug-cell interaction: Could high throughput vibrational spectroscopic screening improve drug development?. Vibrational Spectroscopy, 2017, 91, 16-30. | 1.2 | 44 |
| 122 | Monitoring doxorubicin cellular uptake and trafficking using in vitro Raman microspectroscopy: short and long time exposure effects on lung cancer cell lines. Analytical and Bioanalytical Chemistry, 2017, 409, 1333-1346. | 1.9 | 57 |
| 123 | Nutrition-nutrient delivery. , 2017, , 1-42. | | 4 |
| 124 | Quantitative analysis of curcumin-loaded alginate nanocarriers in hydrogels using Raman and attenuated total reflection infrared spectroscopy. Analytical and Bioanalytical Chemistry, 2017, 409, 4593-4605. | 1.9 | 19 |
| 125 | Plasmonic gold nanoparticles for detection of fungi and human cutaneous fungal infections. Analytical and Bioanalytical Chemistry, 2017, 409, 4647-4658. | 1.9 | 41 |
| 126 | Improved protocols for pre-processing Raman spectra of formalin fixed paraffin preserved tissue sections. Analytical Methods, 2017, 9, 4709-4717. | 1.3 | 25 |

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|-----|---|------|-----------|
| 127 | Structural dependence of <i>in vitro</i> cytotoxicity, oxidative stress and uptake mechanisms of poly(propylene imine) dendritic nanoparticles. <i>Journal of Applied Toxicology</i> , 2016, 36, 464-473. | 1.4 | 14 |
| 128 | In vitro monitoring of time and dose dependent cytotoxicity of aminated nanoparticles using Raman spectroscopy. <i>Analyst</i> , 2016, 141, 5417-5431. | 1.7 | 26 |
| 129 | Vibrational spectroscopy in sensing radiobiological effects: analyses of targeted and non-targeted effects in human keratinocytes. <i>Faraday Discussions</i> , 2016, 187, 213-234. | 1.6 | 40 |
| 130 | Modification of the in vitro uptake mechanism and antioxidant levels in HaCaT cells and resultant changes to toxicity and oxidative stress of G4 and G6 poly(amidoamine) dendrimer nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5295-5307. | 1.9 | 14 |
| 131 | Screening the low molecular weight fraction of human serum using ATR-IR spectroscopy. <i>Journal of Biophotonics</i> , 2016, 9, 1085-1097. | 1.1 | 51 |
| 132 | Recent advances in optical diagnosis of oral cancers: Review and future perspectives. <i>Head and Neck</i> , 2016, 38, E2403-11. | 0.9 | 33 |
| 133 | Biofluids and other techniques: general discussion. <i>Faraday Discussions</i> , 2016, 187, 575-601. | 1.6 | 11 |
| 134 | A comparison of catabolic pathways induced in primary macrophages by pristine single walled carbon nanotubes and pristine graphene. <i>RSC Advances</i> , 2016, 6, 65299-65310. | 1.7 | 13 |
| 135 | Evaluation of cytotoxicity profile and intracellular localisation of doxorubicin-loaded chitosan nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5443-5455. | 1.9 | 27 |
| 136 | Single cell analysis/data handling: general discussion. <i>Faraday Discussions</i> , 2016, 187, 299-327. | 1.6 | 4 |
| 137 | Spectroscopic studies of anthracyclines: Structural characterization and in vitro tracking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 152-160. | 2.0 | 30 |
| 138 | Chemotherapeutic efficiency of drugs in vitro: Comparison of doxorubicin exposure in 3D and 2D culture matrices. <i>Toxicology in Vitro</i> , 2016, 33, 99-104. | 1.1 | 29 |
| 139 | Raman spectroscopy for cytopathology of exfoliated cervical cells. <i>Faraday Discussions</i> , 2016, 187, 187-198. | 1.6 | 35 |
| 140 | Acellular reactivity of polymeric dendrimer nanoparticles as an indicator of oxidative stress in vitro. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 695-703. | 1.9 | 2 |
| 141 | Spectral pre and post processing for infrared and Raman spectroscopy of biological tissues and cells. <i>Chemical Society Reviews</i> , 2016, 45, 1865-1878. | 18.7 | 143 |
| 142 | Dual Targeted Immunotherapy via In Vivo Delivery of Biohybrid RNAi-Peptide Nanoparticles to Tumor-Associated Macrophages and Cancer Cells. <i>Advanced Functional Materials</i> , 2015, 25, 4183-4194. | 7.8 | 196 |
| 143 | Vibrational Microspectroscopy for Cancer Screening. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 23-35. | 1.3 | 27 |
| 144 | Optimal choice of sample substrate and laser wavelength for Raman spectroscopic analysis of biological specimen. <i>Analytical Methods</i> , 2015, 7, 5041-5052. | 1.3 | 93 |

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|-----|---|-----|-----------|
| 145 | Raman micro-spectroscopy for rapid screening of oral squamous cell carcinoma. <i>Experimental and Molecular Pathology</i> , 2015, 98, 502-509. | 0.9 | 52 |
| 146 | Optical diagnostics " spectropathology for the next generation. <i>Analyst, The</i> , 2015, 140, 2064-2065. | 1.7 | 5 |
| 147 | Spectropathology for the next generation: Quo vadis?. <i>Analyst, The</i> , 2015, 140, 2066-2073. | 1.7 | 106 |
| 148 | Cellular discrimination using in vitro Raman micro spectroscopy: the role of the nucleolus. <i>Analyst, The</i> , 2015, 140, 5908-5919. | 1.7 | 38 |
| 149 | Raman spectroscopic analysis of oral squamous cell carcinoma and oral dysplasia in the high-wavenumber region. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 2 |
| 150 | Raman micro spectroscopy for in vitro drug screening: subcellular localisation and interactions of doxorubicin. <i>Analyst, The</i> , 2015, 140, 4212-4223. | 1.7 | 80 |
| 151 | Determination of nanoparticle localisation within subcellular organelles in vitro using Raman spectroscopy. <i>Analytical Methods</i> , 2015, 7, 10000-10017. | 1.3 | 25 |
| 152 | Raman spectroscopy for screening and diagnosis of cervical cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8279-8289. | 1.9 | 73 |
| 153 | Investigating the role of shape on the biological impact of gold nanoparticles <i>in vitro</i>. <i>Nanomedicine</i> , 2015, 10, 2643-2657. | 1.7 | 33 |
| 154 | Multivariate statistical methodologies applied in biomedical Raman spectroscopy: assessing the validity of partial least squares regression using simulated model datasets. <i>Analyst, The</i> , 2015, 140, 2482-2492. | 1.7 | 36 |
| 155 | Cell viability assessment using the Alamar blue assay: A comparison of 2D and 3D cell culture models. <i>Toxicology in Vitro</i> , 2015, 29, 124-131. | 1.1 | 182 |
| 156 | Biomedical Applications of Vibrational Spectroscopy Disease Diagnostics and Beyond. , 2014, , . | | 1 |
| 157 | Improved protocols for vibrational spectroscopic analysis of body fluids. <i>Journal of Biophotonics</i> , 2014, 7, 167-179. | 1.1 | 87 |
| 158 | Microfiber coupler based biosensor incorporating a layer of gold nanoparticles with improved sensitivity. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 0 |
| 159 | Vibrational Spectroscopy: Disease Diagnostics and Beyond. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 355-399. | 0.6 | 10 |
| 160 | Selection of preprocessing methodology for multivariate regression of cellular FTIR and Raman spectra in radiobiological analyses. , 2014, , . | | 1 |
| 161 | Hydroxyl density affects the interaction of fibrinogen with silica nanoparticles at physiological concentration. <i>Journal of Colloid and Interface Science</i> , 2014, 419, 86-94. | 5.0 | 22 |
| 162 | Discrimination of cathinone regioisomers, sold as "legal highs"™, by Raman spectroscopy. <i>Drug Testing and Analysis</i> , 2014, 6, 651-657. | 1.6 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Exosomes Are Involved in Mediating Radiation Induced Bystander Signaling in Human Keratinocyte Cells. <i>Radiation Research</i> , 2014, 181, 138-145. | 0.7 | 141 |
| 164 | Comparison of structure and organization of cutaneous lipids in a reconstructed skin model and human skin: spectroscopic imaging and chromatographic profiling. <i>Experimental Dermatology</i> , 2014, 23, 441-443. | 1.4 | 29 |
| 165 | Effect of substrate choice and tissue type on tissue preparation for spectral histopathology by Raman microspectroscopy. <i>Analyst, The</i> , 2014, 139, 446-454. | 1.7 | 44 |
| 166 | Carbon black instead of multiwall carbon nanotubes for achieving comparable high electrical conductivities in polyurethane-based coatings. <i>Thin Solid Films</i> , 2014, 550, 558-563. | 0.8 | 17 |
| 167 | Raman microspectroscopy for the early detection of pre-malignant changes in cervical tissue. <i>Experimental and Molecular Pathology</i> , 2014, 97, 554-564. | 0.9 | 43 |
| 168 | Processing ThinPrep cervical cytological samples for Raman spectroscopic analysis. <i>Analytical Methods</i> , 2014, 6, 7831-7841. | 1.3 | 36 |
| 169 | Vibrational spectroscopic analysis of body fluids: avoiding molecular contamination using centrifugal filtration. <i>Analytical Methods</i> , 2014, 6, 5155. | 1.3 | 49 |
| 170 | Investigating the use of Raman and immersion Raman spectroscopy for spectral histopathology of metastatic brain cancer and primary sites of origin. <i>Analytical Methods</i> , 2014, 6, 3948-3961. | 1.3 | 25 |
| 171 | Surface enhanced Raman scattering with gold nanoparticles: effect of particle shape. <i>Analytical Methods</i> , 2014, 6, 9116-9123. | 1.3 | 236 |
| 172 | Numerical simulations of in vitro nanoparticle toxicity – The case of poly(amido amine) dendrimers. <i>Toxicology in Vitro</i> , 2014, 28, 1449-1460. | 1.1 | 40 |
| 173 | Concern-driven integrated approaches to nanomaterial testing and assessment – report of the NanoSafety Cluster Working Group 10. <i>Nanotoxicology</i> , 2014, 8, 334-348. | 1.6 | 118 |
| 174 | A comparison of Raman, FTIR and ATR-FTIR micro spectroscopy for imaging human skin tissue sections. <i>Analytical Methods</i> , 2013, 5, 2281. | 1.3 | 61 |
| 175 | Raman spectroscopy in nanomedicine: current status and future perspective. <i>Nanomedicine</i> , 2013, 8, 1335-1351. | 1.7 | 45 |
| 176 | Ecotoxicological assessment of silica and polystyrene nanoparticles assessed by a multitrophic test battery. <i>Environment International</i> , 2013, 51, 97-105. | 4.8 | 178 |
| 177 | Raman micro spectroscopy study of the interaction of vincristine with A549 cells supported by expression analysis of bcl-2 protein. <i>Analyst, The</i> , 2013, 138, 6177. | 1.7 | 41 |
| 178 | Raman spectroscopic mapping for the analysis of solar radiation induced skin damage. <i>Analyst, The</i> , 2013, 138, 3946. | 1.7 | 35 |
| 179 | Electric field standing wave effects in FT-IR transfection spectra of biological tissue sections: Simulated models of experimental variability. <i>Vibrational Spectroscopy</i> , 2013, 69, 84-92. | 1.2 | 35 |
| 180 | Generation of intracellular reactive oxygen species and genotoxicity effect to exposure of nanosized polyamidoamine (PAMAM) dendrimers in PLHC-1 cells in vitro. <i>Aquatic Toxicology</i> , 2013, 132-133, 61-72. | 1.9 | 56 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Polyamidoamine dendrimer nanoparticle cytotoxicity, oxidative stress, caspase activation and inflammatory response: experimental observation and numerical simulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 202-211. | 1.7 | 81 |
| 182 | Cell death pathways in directly irradiated cells and cells exposed to medium from irradiated cells. <i>International Journal of Radiation Biology</i> , 2013, 89, 182-190. | 1.0 | 21 |
| 183 | The bio-nano-interface in predicting nanoparticle fate and behaviour in living organisms: towards grouping and categorising nanomaterials and ensuring nanosafety by design. <i>BioNanoMaterials</i> , 2013, 14, . | 1.4 | 27 |
| 184 | Role of Polymeric Excipients on Controlled Release Profile of Glipizide from PLGA and Eudragit RS 100 Nanoparticles. <i>Journal of Nanopharmaceutics and Drug Delivery</i> , 2013, 1, 74-81. | 0.3 | 12 |
| 185 | Comparison of Micro- and Nanoscale Fe ³⁺ -Containing (Hematite) Particles for Their Toxicological Properties in Human Lung Cells In Vitro. <i>Toxicological Sciences</i> , 2012, 126, 173-182. | 1.4 | 47 |
| 186 | Understanding the molecular information contained in principal component analysis of vibrational spectra of biological systems. <i>Analyst, The</i> , 2012, 137, 322-332. | 1.7 | 182 |
| 187 | Quantitative reagent-free detection of fibrinogen levels in human blood plasma using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1807. | 1.7 | 53 |
| 188 | Spectral cross-correlation as a supervised approach for the analysis of complex Raman datasets: the case of nanoparticles in biological cells. <i>Analyst, The</i> , 2012, 137, 5792. | 1.7 | 27 |
| 189 | Effect of carbon nanotube-fullerene hybrid additive on P3HT:PCBM bulk-heterojunction organic photovoltaics. <i>Synthetic Metals</i> , 2012, 162, 95-101. | 2.1 | 41 |
| 190 | Assessment of an osteoblast-like cell line as a model for human primary osteoblasts using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1559. | 1.7 | 40 |
| 191 | Reactive oxygen species mediated DNA damage in human lung alveolar epithelial (A549) cells from exposure to non-cytotoxic MFI-type zeolite nanoparticles. <i>Toxicology Letters</i> , 2012, 215, 151-160. | 0.4 | 41 |
| 192 | Raman spectroscopic analysis of human skin tissue sections <i>ex-vivo</i> : evaluation of the effects of tissue processing and dewaxing. <i>Journal of Biomedical Optics</i> , 2012, 18, 061202. | 1.4 | 66 |
| 193 | Identifying and localizing intracellular nanoparticles using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1111. | 1.7 | 76 |
| 194 | Effects of salinity on the toxicity of ionic silver and Ag-PVP nanoparticles to <i>Tisbe battagliai</i> and <i>Ceramium tenuicorne</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 86, 101-110. | 2.9 | 30 |
| 195 | Nonlinear optical properties of carbon nanotube hybrids in polymer dispersions. <i>Materials Chemistry and Physics</i> , 2012, 133, 992-997. | 2.0 | 30 |
| 196 | Kinetic studies of the photo-degradation of poly(arylene vinylenes). <i>Journal of Luminescence</i> , 2012, 132, 2217-2223. | 1.5 | 3 |
| 197 | Analysis of human skin tissue by Raman microspectroscopy: Dealing with the background. <i>Vibrational Spectroscopy</i> , 2012, 61, 124-132. | 1.2 | 57 |
| 198 | Comparison of subcellular responses for the evaluation and prediction of the chemotherapeutic response to cisplatin in lung adenocarcinoma using Raman spectroscopy. <i>Analyst, The</i> , 2011, 136, 2450. | 1.7 | 77 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Correlation of p16INK4A expression and HPV copy number with cellular FTIR spectroscopic signatures of cervical cancer cells. <i>Analyst, The</i> , 2011, 136, 1365. | 1.7 | 46 |
| 200 | Minimal analytical characterization of engineered nanomaterials needed for hazard assessment in biological matrices. <i>Nanotoxicology</i> , 2011, 5, 1-11. | 1.6 | 141 |
| 201 | Preparation and characterization of a composite of gold nanoparticles and single-walled carbon nanotubes and its potential for heterogeneous catalysis. <i>New Carbon Materials</i> , 2011, 26, 347-355. | 2.9 | 17 |
| 202 | Collagen matrices as an improved model for in vitro study of live cells using Raman microspectroscopy. <i>Proceedings of SPIE</i> , 2011, , . | 0.8 | 2 |
| 203 | Vibrational mode assignments for bundled single-wall carbon nanotubes using Raman spectroscopy at different excitation energies. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 309-317. | 1.1 | 16 |
| 204 | <i>In vitro</i> analysis of immersed human tissues by Raman microspectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 888-896. | 1.2 | 59 |
| 205 | Investigation of the influence of high-risk human papillomavirus on the biochemical composition of cervical cancer cells using vibrational spectroscopy. <i>Analyst, The</i> , 2010, 135, 3087. | 1.7 | 54 |
| 206 | Studies of chemical fixation effects in human cell lines using Raman microspectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1781-1791. | 1.9 | 122 |
| 207 | Reactive oxygen species (ROS) induced cytokine production and cytotoxicity of PAMAM dendrimers in J774A.1 cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 246, 91-99. | 1.3 | 186 |
| 208 | Mechanistic studies of in vitro cytotoxicity of poly(amidoamine) dendrimers in mammalian cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 259-268. | 1.3 | 146 |
| 209 | Electrochemical characterisation of poly arylene vinylenes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 650, 159-162. | 1.9 | 8 |
| 210 | A Raman spectroscopy study of the solubilisation of SWCNTs by polycyclic aromatic hydrocarbons. <i>Carbon</i> , 2010, 48, 1489-1497. | 5.4 | 10 |
| 211 | Optical limiting study of double wall carbon nanotubeâ€‘Fullerene hybrids. <i>Chemical Physics Letters</i> , 2010, 489, 207-211. | 1.2 | 27 |
| 212 | Fourier Transform Infrared Microspectroscopy and Multivariate Methods for Radiobiological Dosimetry. <i>Radiation Research</i> , 2010, 173, 225-237. | 0.7 | 53 |
| 213 | Raman Microscopy: Complement or Competitor?. <i>Metal Ions in Life Sciences</i> , 2010, , 105-143. | 1.0 | 19 |
| 214 | Study of Live Cells Grown on Three Dimensional Collagen Gels Using Raman Microspectroscopy. , 2010, , . | | 0 |
| 215 | Raman Spectroscopy As A Potential Rapid Screening Tool For Venous Thromboembolism. , 2010, , . | | 0 |
| 216 | Fibroids as a cause of intraperitoneal haemorrhage. <i>Journal of Obstetrics and Gynaecology</i> , 2010, 30, 209. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Systematic Study of the Dispersion of SWNTs in Organic Solvents. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4857-4863. | 1.5 | 50 |
| 218 | Ultrasound-Assisted SWNTs Dispersion: Effects of Sonication Parameters and Solvent Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8821-8827. | 1.5 | 158 |
| 219 | Evaluation of the potential of Raman microspectroscopy for prediction of chemotherapeutic response to cisplatin in lung adenocarcinoma. <i>Analyst, The</i> , 2010, 135, 3070. | 1.7 | 117 |
| 220 | Resonant Mie Scattering (RMieS) correction of infrared spectra from highly scattering biological samples. <i>Analyst, The</i> , 2010, 135, 268-277. | 1.7 | 332 |
| 221 | Spectroscopic and chemometric approaches to radiobiological analyses. <i>Mutation Research - Reviews in Mutation Research</i> , 2010, 704, 108-114. | 2.4 | 23 |
| 222 | In vitro mammalian cytotoxicological study of PAMAM dendrimers – Towards quantitative structure activity relationships. <i>Toxicology in Vitro</i> , 2010, 24, 169-177. | 1.1 | 132 |
| 223 | Intracellular localisation, geno- and cytotoxic response of polyN-isopropylacrylamide (PNIPAM) nanoparticles to human keratinocyte (HaCaT) and colon cells (SW 480). <i>Toxicology Letters</i> , 2010, 198, 134-143. | 0.4 | 80 |
| 224 | Comparative Study of the Interaction of Different Polycyclic Aromatic Hydrocarbons on Different Types of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8167-8175. | 1.5 | 16 |
| 225 | Imaging live cells grown on a three dimensional collagen matrix using Raman microspectroscopy. <i>Analyst, The</i> , 2010, 135, 3169. | 1.7 | 58 |
| 226 | Three dimensional collagen gels as a cell culture matrix for the study of live cells by Raman spectroscopy. <i>Analyst, The</i> , 2010, 135, 1697. | 1.7 | 26 |
| 227 | An investigation of the RWPE prostate derived family of cell lines using FTIR spectroscopy. <i>Analyst, The</i> , 2010, 135, 887. | 1.7 | 35 |
| 228 | First International Workshop on Imaging Techniques with Synchrotron Radiation. <i>Synchrotron Radiation News</i> , 2009, 22, 39-40. | 0.2 | 0 |
| 229 | Functional and pathological analysis of biological systems using vibrational spectroscopy with chemometric and heuristic approaches. , 2009, , . | | 1 |
| 230 | SWCNT suppress inflammatory mediator responses in human lung epithelium in vitro. <i>Toxicology and Applied Pharmacology</i> , 2009, 234, 378-390. | 1.3 | 89 |
| 231 | Dispersion medium modulates oxidative stress response of human lung epithelial cells upon exposure to carbon nanomaterial samples. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 276-281. | 1.3 | 90 |
| 232 | Should laparoscopic surgeons wear masks?. <i>Journal of Hospital Infection</i> , 2009, 72, 281-283. | 1.4 | 2 |
| 233 | Synthesis of a maleic anhydride grafted polypropylene-butadiene copolymer and its application in polypropylene/styrene-butadiene-styrene triblock copolymer/organophilic montmorillonite composites as a compatibilizer. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1820-1827. | 1.3 | 13 |
| 234 | Preparation, characterization of NIPAM and NIPAM/BAM copolymer nanoparticles and their acute toxicity testing using an aquatic test battery. <i>Aquatic Toxicology</i> , 2009, 92, 146-154. | 1.9 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Resonant Mie scattering in infrared spectroscopy of biological materials – understanding the –dispersion artefact–™. <i>Analyst, The</i> , 2009, 134, 1586. | 1.7 | 276 |
| 236 | An Ecotoxicological Study of <i>Poly(amidoamine)</i> Dendrimers-Toward Quantitative Structure Activity Relationships. <i>Environmental Science & Technology</i> , 2009, 43, 6864-6869. | 4.6 | 60 |
| 237 | Quantitative Analyses of Microwave-Treated HiPco Carbon Nanotubes Using Absorption and Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7134-7138. | 1.5 | 18 |
| 238 | Raman spectroscopy – a potential platform for the rapid measurement of carbon nanotube-induced cytotoxicity. <i>Analyst, The</i> , 2009, 134, 1182. | 1.7 | 50 |
| 239 | Reflection contributions to the dispersion artefact in FTIR spectra of single biological cells. <i>Analyst, The</i> , 2009, 134, 1171. | 1.7 | 118 |
| 240 | The dispersion of SWCNT bundles on interaction with p-Terphenyl. <i>New Carbon Materials</i> , 2009, 24, 73-82. | 2.9 | 5 |
| 241 | Using Vasopressin for Myomectomy. <i>Obstetrics and Gynecology</i> , 2009, 114, 169-170. | 1.2 | 6 |
| 242 | Spectroscopic Study of the Dimerization Process of Iron Protoporphyrin IX. <i>Acta Physica Polonica A</i> , 2009, 115, 552-555. | 0.2 | 4 |
| 243 | Effects of chlorinated aromatic solvents on the dispersion of HiPco SWNTs. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1947-1950. | 0.7 | 12 |
| 244 | An experimental study of the interaction between single walled carbon nanotubes and polycyclic aromatic hydrocarbons. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1961-1963. | 0.7 | 8 |
| 245 | Quantitative analysis of dispersion and doping of individual carbon nanotubes in water based solutions using absorption and Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1964-1966. | 0.7 | 3 |
| 246 | Correlation of vibrational intensity with fluorescence lifetimes in – conjugated polymers. <i>Polymer</i> , 2008, 49, 4109-4114. | 1.8 | 10 |
| 247 | Effect of Solvent Solubility Parameters on the Dispersion of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20154-20158. | 1.5 | 49 |
| 248 | Single walled carbon nanotubes induce indirect cytotoxicity by medium depletion in A549 lung cells. <i>Toxicology Letters</i> , 2008, 179, 78-84. | 0.4 | 160 |
| 249 | Investigation of Sodium Dodecyl Benzene Sulfonate Assisted Dispersion and Debundling of Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 332-337. | 1.5 | 82 |
| 250 | A Study of the Interaction between Single-Walled Carbon Nanotubes and Polycyclic Aromatic Hydrocarbons: Toward Structure–Property Relationships. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10418-10422. | 1.5 | 26 |
| 251 | Raman spectroscopy for the characterization of the polymerization rate in an acrylamide-based photopolymer. <i>Applied Optics</i> , 2008, 47, 206. | 2.1 | 30 |
| 252 | The Surgeon at 2 A.M.. <i>BMJ: British Medical Journal</i> , 2008, 337, a2101-a2101. | 2.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | The Surgeons. BMJ: British Medical Journal, 2008, 337, a2496-a2496. | 2.4 | 0 |
| 254 | In vitro toxicity evaluation of single walled carbon nanotubes on human A549 lung cells. Toxicology in Vitro, 2007, 21, 438-448. | 1.1 | 399 |
| 255 | Systematic Study of the Effects of Naphthalene and Anthracene Substitution on the Properties of PPV Derivative Conjugated Systems. Macromolecules, 2007, 40, 7895-7901. | 2.2 | 30 |
| 256 | Spectroscopic Characterization of Novel Polycyclic Aromatic Polymers. Journal of Physical Chemistry A, 2007, 111, 299-305. | 1.1 | 8 |
| 257 | Vibrational Characterization and Fluorescence Optimization of Polycyclic Polymers. Journal of Physical Chemistry B, 2007, 111, 7999-8005. | 1.2 | 7 |
| 258 | A new approach to the toxicity testing of carbon-based nanomaterialsâ€”The clonogenic assay. Toxicology Letters, 2007, 174, 49-60. | 0.4 | 233 |
| 259 | Probing the interaction of single walled carbon nanotubes within cell culture medium as a precursor to toxicity testing. Carbon, 2007, 45, 34-40. | 5.4 | 111 |
| 260 | Spectroscopic analysis confirms the interactions between single walled carbon nanotubes and various dyes commonly used to assess cytotoxicity. Carbon, 2007, 45, 1425-1432. | 5.4 | 274 |
| 261 | Vibrational spectroscopy for cervical cancer pathology, from biochemical analysis to diagnostic tool. Experimental and Molecular Pathology, 2007, 82, 121-129. | 0.9 | 214 |
| 262 | Growth substrate induced functional changes elucidated by FTIR and Raman spectroscopy in inâ€”vitro cultured human keratinocytes. Analytical and Bioanalytical Chemistry, 2007, 387, 1717-1728. | 1.9 | 100 |
| 263 | In-Depth Study into the Interaction of Single Walled carbon Nanotubes with Anthracene and p-Terphenyl. Journal of Physical Chemistry B, 2006, 110, 3895-3901. | 1.2 | 46 |
| 264 | Bundling and Diameter Selectivity in HiPco SWNTs Poly(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (vinylene-co-2,5-dioctyl) SWNTs. Journal of Physical Chemistry B, 2006, 110, 19369-19374. | 1.2 | 22 |
| 265 | The characterisation of a novel, covalently modified, amphiphilic alginate derivative, which retains gelling and non-toxic properties. Journal of Colloid and Interface Science, 2006, 298, 154-161. | 5.0 | 90 |
| 266 | Investigation of polymerization rate in an acrylamide-based photopolymer using Raman spectroscopy. , 2005, 5826, 75. | | 3 |
| 267 | The potential of vibrational spectroscopy in the early detection of cervical cancer: an exciting emerging field. Proceedings of SPIE, 2005, , . | 0.8 | 7 |
| 268 | Relationships for electron-vibrational coupling in conjugated ĩ€ organic systems. Proceedings of SPIE, 2005, 5826, 253. | 0.8 | 1 |
| 269 | Linear electronic and optical processes in Fullerene thin films. , 2005, , . | | 0 |
| 270 | Structural property relationships in conjugated polymers. , 2005, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | Use of Raman spectroscopy in the investigation of debundling of single walled carbon nanotubes. Proceedings of SPIE, 2005, 5826, 56. | 0.8 | 1 |
| 272 | Electroabsorption studies of structurally modified fullerene thin films. , 2005, , . | | 0 |
| 273 | Interaction of single walled carbon nanotubes with starch-based systems. , 2005, , . | | 0 |
| 274 | Fluorescence concentration studies of HiPco SWNTs and semi-conjugated polymers. Proceedings of SPIE, 2005, , . | 0.8 | 0 |
| 275 | Correlation of spectroscopic and biochemical assays post-ionising radiation exposure in human skin cell analogues. , 2005, , . | | 0 |
| 276 | Electroabsorption studies of structurally modified fullerene thin films. Journal of Luminescence, 2005, 112, 291-294. | 1.5 | 1 |
| 277 | A study examining the effects of tissue processing on human tissue sections using vibrational spectroscopy. Vibrational Spectroscopy, 2005, 38, 121-127. | 1.2 | 182 |
| 278 | Raman Spectroscopic Evaluation of Efficacy of Current Paraffin Wax Section Dewaxing Agents. Journal of Histochemistry and Cytochemistry, 2005, 53, 121-129. | 1.3 | 128 |
| 279 | Spectroscopic analysis of the interaction of SWNT with simple organic molecules. Proceedings of SPIE, 2005, , . | 0.8 | 1 |
| 280 | Correlation of the Adhesive Properties of Cells to N-Isopropylacrylamide/N-tert-Butylacrylamide Copolymer Surfaces with Changes in Surface Structure Using Contact Angle Measurements, Molecular Simulations, and Raman Spectroscopy. Chemistry of Materials, 2005, 17, 3889-3898. | 3.2 | 46 |
| 281 | Reply to "Comment on "Structure"Property Relationships for Electron"Vibrational Coupling in Conjugated Organic Oligomeric Systems" Journal of Physical Chemistry B, 2005, 109, 22082-22083. | 1.2 | 1 |
| 282 | Temperature-Induced Nucleation of Poly(p-phenylene vinylene-co-2,5-dioctyloxy-m-phenylene vinylene) Crystallization by HiPco Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 5600-5607. | 1.2 | 17 |
| 283 | Comment on "Structure"Property Relationships for Electron"Vibrational Coupling in Conjugated Organic Oligomeric Systems" Journal of Physical Chemistry B, 2005, 109, 22081-22081. | 1.2 | 1 |
| 284 | Structure"Property Relationships for Electron"Vibrational Coupling in Conjugated Organic Oligomeric Systems. Journal of Physical Chemistry B, 2005, 109, 12685-12690. | 1.2 | 34 |
| 285 | Temperature Dependent Spectroscopic studies of HiPco SWNT composites.. Synthetic Metals, 2005, 154, 197-200. | 2.1 | 1 |
| 286 | Structure Property Relationships in Conjugated Organic Systems. Synthetic Metals, 2005, 153, 289-292. | 2.1 | 5 |
| 287 | Interaction of Carbon Nanotubes with Sugar Complexes. Synthetic Metals, 2005, 153, 357-360. | 2.1 | 34 |
| 288 | Evidence of a redox equilibrium assisted chain propagation mode for aniline polymerization: in situ spectral investigation in dodecylbenzene sulfonic acid based system. Polymer, 2004, 45, 5465-5471. | 1.8 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Carbon-nanotube nucleated crystallinity in a conjugated polymer based composite. <i>Chemical Physics Letters</i> , 2004, 391, 329-333. | 1.2 | 86 |
| 290 | Purification and isolation of SWNTs. <i>Carbon</i> , 2004, 42, 1031-1035. | 5.4 | 38 |
| 291 | Spectroscopic Analysis of Single-Walled Carbon Nanotubes and Semiconjugated Polymer Composites. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6233-6241. | 1.2 | 50 |
| 292 | Solubilization of SWNTs with Organic Dye Molecules. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18860-18865. | 1.2 | 73 |
| 293 | Optical Spectroscopy of Isolated and Aggregate Hexabenzocoronene Derivatives: A Study of Self-Assembling Molecular Nanowires. <i>Journal of Physical Chemistry B</i> , 2003, 107, 37-43. | 1.2 | 49 |
| 294 | Characterization of the Interaction of Gamma Cyclodextrin with Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 843-846. | 4.5 | 112 |
| 295 | The Physical Interactions between HiPco SWNTs and Semi-Conjugated Polymers. <i>AIP Conference Proceedings</i> , 2003, , . | 0.3 | 0 |
| 296 | Physical interactions between HiPco SWNTs and semiconjugated polymers. , 2003, 4876, 723. | | 0 |
| 297 | Interaction of SWNT with Simple Dye Molecules. <i>AIP Conference Proceedings</i> , 2003, , . | 0.3 | 0 |
| 298 | Single-wall carbon nanotubes as templates for organic molecules. , 2003, , . | | 1 |
| 299 | Optical spectroscopy of single-molecule and aggregate hexabenzocoronene derivatives. , 2003, , . | | 0 |
| 300 | Using fluorescence spectra to distinguish between microalgae species. , 2003, 4876, 938. | | 0 |
| 301 | Spectroscopic analysis of the intermolecular interactions of gamma cyclodextrin and carbon nanotubes. , 2003, , . | | 0 |
| 302 | Electronic transfer studies of fullerene/polymer hybrids. , 2003, , . | | 0 |
| 303 | In-situ Raman spectroscopy of electrically generated species in fullerene thin films. , 2003, , . | | 0 |
| 304 | Photoluminescence quenching and degradation studies to determine the effect of nanotube inclusions on polymer morphology in conjugated polymer-carbon nanotube composites. , 2003, , . | | 1 |
| 305 | Intermolecular interactions in molecular systems: pros and cons. , 2003, , . | | 0 |
| 306 | Stokes/anti-Stokes Raman spectroscopy of high-pressure carbon oxide (HiPco) single-walled carbon nanotubes. , 2003, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 307 | Luminescence properties of coumarins and quiones. , 2003, 4876, 1178. | | 0 |
| 308 | Excited state properties of C 60 revisited: a Raman study. , 2003, , . | | 0 |
| 309 | Potential of Raman spectroscopy for the molecular characterization of human tumors. , 2003, , . | | 3 |
| 310 | Raman spectroscopic analysis of ionization processes in biological systems. , 2003, 4876, 18. | | 1 |
| 311 | Stokes/anti-Stokes Raman Spectroscopy of HiPco Single-Wall Carbon Nanotubes. AIP Conference Proceedings, 2002, , . | 0.3 | 1 |
| 312 | The Use of Single-Wall Carbon Nanotubes as Templates for Organic Molecules. AIP Conference Proceedings, 2002, , . | 0.3 | 0 |
| 313 | A Microscopic and Spectroscopic Study of Interactions between Carbon Nanotubes and a Conjugated Polymer. Journal of Physical Chemistry B, 2002, 106, 2210-2216. | 1.2 | 221 |
| 314 | Bulky sidegroup polymers " synthesis and characterisation. Synthetic Metals, 2001, 119, 85-86. | 2.1 | 2 |
| 315 | A functional conjugated polymer to process, purify and selectively interact with single wall carbon nanotubes. Synthetic Metals, 2001, 121, 1217-1218. | 2.1 | 52 |
| 316 | Spectroscopic characterisation of the C60 photo-polymer produced from solution. Synthetic Metals, 2001, 121, 1111-1112. | 2.1 | 3 |
| 317 | Spectroscopic and structural analysis of precursors to hexagonal close packed phases in C60 thin films. Synthetic Metals, 2001, 121, 1145-1146. | 2.1 | 1 |
| 318 | Solvent effects on the luminescent properties of conjugated molecules. Synthetic Metals, 2001, 119, 555-556. | 2.1 | 2 |
| 319 | Isomerism and inter-chain effects in a semi-conjugated co-polymer, poly(m-phenylenevinylene-co-2,5-dioctyloxy-p-phenylenevinylene). Synthetic Metals, 2001, 119, 557-558. | 2.1 | 1 |
| 320 | Excited state inhibition of luminescence in DPOP-PPV. Synthetic Metals, 2001, 119, 567-568. | 2.1 | 2 |
| 321 | Increased luminescence efficiency in PmPV thin films by modified thin-film preparation techniques. Synthetic Metals, 2001, 119, 569-570. | 2.1 | 0 |
| 322 | Systematic trends in the synthesis of (meta-phenylene vinylene) copolymers. Synthetic Metals, 2001, 119, 151-152. | 2.1 | 18 |
| 323 | Nonlinear photoluminescence in multiwall carbon nanotubes. Synthetic Metals, 2001, 119, 641-642. | 2.1 | 10 |
| 324 | The Generation of a Carbon Nanotube- Cyclodextrin Complex. Materials Research Society Symposia Proceedings, 2001, 703, 1. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 325 | <title>Purification and processing of carbon nanotubes using self-assembly and selective interaction with a semiconjugated polymer</title>. , 2001, 4468, 112. | | 0 |
| 326 | Controlling the optical properties of a conjugated co-polymer through variation of backbone isomerism and the introduction of carbon nanotubes. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 144, 31-41. | 2.0 | 39 |
| 327 | Observation and identification of the molecular triplet in C60 thin films. Chemical Physics Letters, 2001, 345, 361-366. | 1.2 | 4 |
| 328 | Spectroscopic investigation of conjugated polymer/single-walled carbon nanotube interactions. Chemical Physics Letters, 2001, 350, 27-32. | 1.2 | 27 |
| 329 | Complex nano-assemblies of polymers and carbon nanotubes. Nanotechnology, 2001, 12, 187-190. | 1.3 | 38 |
| 330 | Excited-state quenching of a highly luminescent conjugated polymer. Applied Physics Letters, 2001, 78, 1059-1061. | 1.5 | 51 |
| 331 | Raman studies of TGS doped with Nd. Journal of Physics and Chemistry of Solids, 2000, 61, 1919-1925. | 1.9 | 21 |
| 332 | Improvement of luminescence efficiency and photostability in polymer thin films. Thin Solid Films, 2000, 370, 262-267. | 0.8 | 19 |
| 333 | Investigation of efficiency and photostability in polymer films. Synthetic Metals, 2000, 111-112, 553-557. | 2.1 | 7 |
| 334 | Correlation of molecular vibrational structure with luminescent quantum yields. Synthetic Metals, 2000, 111-112, 559-561. | 2.1 | 1 |
| 335 | Selective Interaction of a Semiconjugated Organic Polymer with Single-Wall Nanotubes. Journal of Physical Chemistry B, 2000, 104, 10012-10016. | 1.2 | 254 |
| 336 | Surface Enhanced Raman Spectroscopy of single wall carbon nanotubes. , 1999, , . | | 0 |
| 337 | Raman spectroscopic study of excited states and photo-polymerisation of C60 from solution. Chemical Physics Letters, 1999, 302, 307-311. | 1.2 | 23 |
| 338 | Experimental observation of individual single-wall nanotube species by Raman microscopy. Chemical Physics Letters, 1999, 310, 8-14. | 1.2 | 88 |
| 339 | Towards processing of carbon nanotubes for technical applications. Applied Physics A: Materials Science and Processing, 1999, 69, 269-274. | 1.1 | 54 |
| 340 | Evolution and evaluation of the polymer/nanotube composite. Synthetic Metals, 1999, 103, 2559-2562. | 2.1 | 92 |
| 341 | Luminescent quantum yields and vibrational spectroscopy. Synthetic Metals, 1999, 102, 1529-1530. | 2.1 | 3 |
| 342 | Electronic properties of structurally modified C60 films. Synthetic Metals, 1999, 103, 2360-2361. | 2.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 343 | Synthesis and optical properties of phenylene-vinylene copolymers. Synthetic Metals, 1999, 103, 2478-2479. | 2.1 | 43 |
| 344 | Mono- and polycyclic aromatic polymers " synthesis and properties. Synthetic Metals, 1999, 101, 31-32. | 2.1 | 2 |
| 345 | Optical Absorption and Fluorescence of a Multi-walled Nanotube-Polymer Composite. Synthetic Metals, 1999, 102, 1176-1177. | 2.1 | 40 |
| 346 | Chromatography of carbon nanotubes. Synthetic Metals, 1999, 103, 2484-2485. | 2.1 | 80 |
| 347 | Comprehensive analysis of intermolecular charge-transfer excited states in C ₆₀ and C ₇₀ films. Physical Review B, 1998, 58, 7689-7700. | 1.1 | 124 |
| 348 | Measurement of Degree of Order in Mixed Polarised Fluorescent Polymer Liquid Crystal Films. Molecular Crystals and Liquid Crystals, 1998, 325, 79-90. | 0.3 | 0 |
| 349 | Picosecond spectroscopy and hyperlinear photoluminescence in poly(para-phenylene)-type ladder polymers. Physical Review B, 1997, 56, 1632-1636. | 1.1 | 29 |
| 350 | Picosecond-spectroscopy and hyperlinear photoluminescence in poly(para-phenylene)-type ladderpolymer. Synthetic Metals, 1997, 84, 629-630. | 2.1 | 5 |
| 351 | <title>Spectroscopic studies of fullerene thin films and their composites</title>. , 1996, , . | | 0 |
| 352 | Luminescence Properties of Fullerene. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 757-779. | 0.6 | 2 |
| 353 | <title>Off-resonant nonlinear optical properties of conjugated organic polymers: origins and nature</title>. , 1995, , . | | 1 |
| 354 | Structure and properties of thermally annealed fullerene films. Chemical Physics Letters, 1995, 233, 436-443. | 1.2 | 16 |
| 355 | A Raman analysis of C ₆₀ at low temperatures: a study of molecular and crystal-field effects. Chemical Physics, 1995, 192, 307-317. | 0.9 | 15 |
| 356 | Photophysical and photochemical processes in fullerenes under high-intensity illumination. Journal of Materials Processing Technology, 1995, 54, 149-158. | 3.1 | 5 |
| 357 | Electroluminescence in Conjugated Polymers and Fullerenes. Materials Science Forum, 1995, 191, 195-206. | 0.3 | 3 |
| 358 | Structural aspects of electroluminescence in fullerene crystals. Synthetic Metals, 1995, 70, 1409-1410. | 2.1 | 4 |
| 359 | Structural alteration and chemical stability of heat treated C ₆₀ films. Synthetic Metals, 1995, 70, 1427-1430. | 2.1 | 3 |
| 360 | Excited State Phenomena in Solid State Fullerene. Molecular Crystals and Liquid Crystals, 1994, 252, 49-58. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 361 | Nonlinear Excited State Phenomena and Electro-luminescence in Fullerene Crystals. Journal of Modern Optics, 1994, 41, 1243-1252. | 0.6 | 1 |
| 362 | Nonlinear Optical and Transport Properties of Fullerene Crystals. Materials Research Society Symposia Proceedings, 1994, 359, 451. | 0.1 | 0 |
| 363 | Electroluminescence in Fullerene Crystals. Molecular Crystals and Liquid Crystals, 1994, 256, 795-800. | 0.3 | 1 |
| 364 | Nonlinear Optical and Transport Processes in Fullerenes. Molecular Crystals and Liquid Crystals, 1994, 256, 259-266. | 0.3 | 1 |
| 365 | <title>Nonlinear optical and transport properties of fullerene crystals</title>. , 1994, , . | | 0 |
| 366 | A Study of Reversible Photochemical Phenomena in C ₆₀ . Molecular Crystals and Liquid Crystals, 1994, 256, 833-838. | 0.3 | 1 |
| 367 | <title>Electroluminescence in fullerene crystals</title>. , 1994, , . | | 0 |
| 368 | Time-resolved photoluminescence of solid state fullerenes. Chemical Physics Letters, 1993, 204, 461-466. | 1.2 | 35 |
| 369 | Reversible photochemical processes in fullerenes. A Raman study. Chemical Physics Letters, 1993, 215, 131-136. | 1.2 | 23 |
| 370 | Raman studies of photochemical reactions in fullerene films. Chemical Physics Letters, 1993, 212, 384-390. | 1.2 | 47 |
| 371 | Photoconductivity of thin film fullerenes; Effect of oxygen and thermal annealing. Solid State Communications, 1993, 87, 281-284. | 0.9 | 33 |
| 372 | Nonlinear luminescence phenomena in fullerene crystallites. Applied Physics A: Materials Science and Processing, 1993, 56, 235-239. | 1.1 | 35 |
| 373 | Fullerenes in the highly excited state. Applied Physics A: Solids and Surfaces, 1993, 57, 81-86. | 1.4 | 15 |
| 374 | Broadband electroluminescent emission from fullerene crystals. Applied Physics A: Solids and Surfaces, 1993, 57, 157-160. | 1.4 | 17 |
| 375 | Raman studies of nonlinear phenomena in fullerene crystallites. Applied Physics A: Solids and Surfaces, 1993, 57, 299-302. | 1.4 | 13 |
| 376 | Many-body effects in the highly excited state of fullerenes. Applied Physics A: Solids and Surfaces, 1993, 57, 303-308. | 1.4 | 13 |
| 377 | Photoluminescence of solid state fullerenes. Synthetic Metals, 1993, 54, 265-272. | 2.1 | 10 |
| 378 | Excited state transient spectroscopy of anthracene based photochromic systems. Synthetic Metals, 1993, 57, 4820-4826. | 2.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 379 | Influence of substitution on the electronic properties of bianthrones. <i>Synthetic Metals</i> , 1993, 61, 177-180. | 2.1 | 3 |
| 380 | Time resolved fluorescence and solvatochromism in donor-substituted bianthrones. <i>Synthetic Metals</i> , 1993, 56, 1711-1716. | 2.1 | 2 |
| 381 | Nonlinear optical studies of group 10 transition-metal thienyl systems. <i>Synthetic Metals</i> , 1993, 58, 161-172. | 2.1 | 6 |
| 382 | Time resolved fluorescence and solvatochromism in donor-substituted bianthrones. <i>Synthetic Metals</i> , 1993, 55, 307-312. | 2.1 | 3 |
| 383 | Linear and third order nonlinear optical properties of one-dimensional organometallic systems. <i>Synthetic Metals</i> , 1993, 57, 3980-3985. | 2.1 | 16 |
| 384 | A Molecular Switch Involving Large Conformational Changes. A Theoretical Study. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 234, 89-96. | 0.3 | 8 |
| 385 | Transient Spectroscopy of Donor-Acceptor Complexes. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1993, 97, 483-487. | 0.9 | 1 |
| 386 | Picosecond Photoconductivity in (CH) _x Measured by Cross-Correlation. <i>Europhysics Letters</i> , 1992, 18, 251-256. | 0.7 | 9 |
| 387 | p-type doping of C60 films. <i>Synthetic Metals</i> , 1992, 51, 103-108. | 2.1 | 9 |
| 388 | Photoconductivity of C60/C70 films. <i>Synthetic Metals</i> , 1992, 51, 251-256. | 2.1 | 11 |
| 389 | Picosecond photoconductivity in (CH) _x . <i>Synthetic Metals</i> , 1992, 51, 245-250. | 2.1 | 3 |
| 390 | Steady state photoconductive response of C60/C70 films. <i>Solid State Communications</i> , 1992, 81, 261-264. | 0.9 | 54 |
| 391 | Resonant enhancement of the near infra-red nonlinear optical susceptibility of organic polymers. <i>Synthetic Metals</i> , 1991, 43, 3217-3221. | 2.1 | 2 |
| 392 | Degenerate four-wave mixing in rhodamine doped epoxy waveguides. <i>Applied Physics Letters</i> , 1991, 58, 1712-1714. | 1.5 | 4 |
| 393 | Large infrared nonlinear optical response of C60. <i>Physical Review Letters</i> , 1991, 67, 1423-1425. | 2.9 | 242 |
| 394 | Linear and nonlinear waveguiding in Rhodamine-doped epoxy films. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1991, 8, 2449. | 0.9 | 7 |
| 395 | Non-linear optical properties of Group 10 metal alkynyls and their polymers. <i>Journal of Materials Chemistry</i> , 1991, 1, 245. | 6.7 | 98 |
| 396 | Nonlinear optical studies of graded enyne oligomers. <i>Chemical Physics Letters</i> , 1990, 167, 484-489. | 1.2 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 397 | Multiphoton nonlinear interactions in conjugated organic polymers. <i>Synthetic Metals</i> , 1990, 37, 231-247. | 2.1 | 18 |
| 398 | Simple setup for rapid testing of third-order nonlinear optical materials. <i>Applied Optics</i> , 1990, 29, 31. | 2.1 | 21 |
| 399 | Macromolecular physics in Lodz. <i>Advanced Materials</i> , 1989, 1, 453-455. | 11.1 | 0 |
| 400 | Macromolecular Physics in Lodz. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1753-1755. | 4.4 | 0 |
| 401 | Thyratron-based Pockels cell driver for single pulse switch-out in mode-locked lasers. <i>Optics and Laser Technology</i> , 1989, 21, 401-405. | 2.2 | 1 |
| 402 | Three-photon enhanced optical nonlinearity of poly(3-butylthiophene). <i>Synthetic Metals</i> , 1989, 32, 229-235. | 2.1 | 66 |
| 403 | Picosecond optical phase conjugation using conjugated organic molecules. <i>Chemical Physics</i> , 1988, 121, 21-39. | 0.9 | 59 |
| 404 | Reverse saturable absorption in tetraphenylporphyrins. <i>Optics Communications</i> , 1985, 56, 25-29. | 1.0 | 281 |