

# Tia E Keyes

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

222 papers	5,343 citations	38 h-index	60 g-index
234 ext. papers	5,813 ext. citations	5.5 avg, IF	5.78 L-index

#	Paper	IF	Citations
222	Steric Quenching of Mn(III) Thermal Spin Crossover: Dilution of Spin Centers in Immobilized Solutions. <i>Magnetochemistry</i> , <b>2022</b> , 8, 8	3.1	0
221	Triplet-Triplet Annihilation Upconversion by Polymeric Sensitizers. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 4057-4066	3.8	1
220	Luminescent Metal Complexes in Bioimaging. <i>Springer Handbooks</i> , <b>2022</b> , 1073-1107	1.3	
219	Shorter Alkyl Chains Enhance Molecular Diffusion and Electron Transfer Kinetics between Photosensitisers and Catalysts in CO <sub>2</sub> -Reducing Photocatalytic Liposomes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17203-17212	4.8	3
218	Radiative lifetime of a BODIPY dye as calculated by TDDFT and EOM-CCSD methods: solvent and vibronic effects. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 26324-26335	3.6	2
217	Os(II)-Bridged Polyarginine Conjugates: The Additive Effects of Peptides in Promoting or Preventing Permeation in Cells and Multicellular Tumor Spheroids. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 8123-8134	5.1	5
216	Robust Photoelectric Biomolecular Switch at a Microcavity-Supported Lipid Bilayer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 29158-29169	9.5	2
215	Ru(II)/BODIPY core co-encapsulated ratiometric nanotools for intracellular O <sub>2</sub> sensing in live cancer cells. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1520-1533	3	1
214	A Nanoplasmonic Assay of Oligonucleotide-Cargo Delivery from Cationic Lipoplexes. <i>Small</i> , <b>2021</b> , 17, e2005815	11	3
213	A reproducible, low cost microfluidic microcavity array SERS platform prepared by soft lithography from a 2 photon 3D printed template. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 340, 129970	8.5	6
212	Strategies to promote permeation and vectorization, and reduce cytotoxicity of metal complex luminophores for bioimaging and intracellular sensing. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1021-1049	3	8
211	The Impact of Membrane Composition and Co-Drug Synergistic Effects on Vancomycin Association with Model Membranes from Electrochemical Impedance Spectroscopy. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4507-4507 <sup>1</sup>	4.3	1
210	Photostable NIR emitting ruthenium(II) conjugates; uptake and biological activity in live cells. <i>Journal of Inorganic Biochemistry</i> , <b>2020</b> , 207, 111032	4.2	6
209	Annexin V Drives Stabilization of Damaged Asymmetric Phospholipid Bilayers. <i>Langmuir</i> , <b>2020</b> , 36, 5454-5465	4.465	3
208	Microcavity array supported lipid bilayer models of ganglioside - influenza hemagglutinin binding. <i>Chemical Communications</i> , <b>2020</b> , 56, 11251-11254	5.8	5
207	The Impact of Membrane Composition and Co-Drug Synergistic Effects on Vancomycin Association with Model Membranes from Electrochemical Impedance Spectroscopy. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4535-4542 <sup>4</sup>	4.3	4
206	Photophysics and Cell Uptake of Self-Assembled Ru(II)Polypyridyl Vesicles. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 638	5	1

205	Metabolites of Tobacco- and E-Cigarette-Related Nitrosamines Can Drive Cu-Mediated DNA Oxidation. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 2072-2086	4	3
204	Nano-substructured plasmonic pore arrays: a robust, low cost route to reproducible hierarchical structures extended across macroscopic dimensions. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4740-4756	5.1	2
203	Interaction of Miltefosine with Microcavity Supported Lipid Membrane: Biophysical Insights from Electrochemical Impedance Spectroscopy. <i>Electroanalysis</i> , <b>2020</b> , 32, 2936-2945	3	4
202	Mitochondrial targeted osmium polypyridyl probe shows concentration dependent uptake, localisation and mechanism of cell death. <i>Dalton Transactions</i> , <b>2019</b> , 48, 17461-17471	4.3	13
201	Macromolecular inversion-driven polymer insertion into model lipid bilayer membranes. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 542, 483-494	9.3	9
200	Mega-stokes pyrene ceramide conjugates for STED imaging of lipid droplets in live cells. <i>Analyst</i> , <b>2019</b> , 144, 1608-1621	5	19
199	Microcavity-Supported Lipid Bilayers; Evaluation of Drug-Lipid Membrane Interactions by Electrochemical Impedance and Fluorescence Correlation Spectroscopy. <i>Langmuir</i> , <b>2019</b> , 35, 8095-8109	4	12
198	Linker length in fluorophore-cholesterol conjugates directs phase selectivity and cellular localisation in GUVs and live cells.. <i>RSC Advances</i> , <b>2019</b> , 9, 22805-22816	3.7	5
197	Microcavity-Supported Lipid Membranes: Versatile Platforms for Building Asymmetric Lipid Bilayers and for Protein Recognition.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3404-3417	4.1	10
196	Dimethylaniline functionalised pyrene fluorophores; dual colour pH switching in solution and self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 22440-22448	3.6	1
195	Phase partitioning, solvent-switchable BODIPY probes for high contrast cellular imaging and FCS. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3671-3682	3.6	5
194	Deactivation of the ruthenium excited state by enhanced homogeneous charge transport: Implications for electrochemiluminescent thin film sensors. <i>Electrochemistry Communications</i> , <b>2018</b> , 86, 90-93	5.1	8
193	Fibrinogen Motif Discriminates Platelet and Cell Capture in Peptide-Modified Gold Micropore Arrays. <i>Langmuir</i> , <b>2018</b> , 34, 715-725	4	4
192	Fabrication and Optical Properties of Periodic Ag Nano-Pore and Nano-Particle Arrays with Controlled Shape and Size over Macroscopic Length Scales. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700532	3.5	7
191	Highly Selective Mitochondrial Targeting by a Ruthenium(II) Peptide Conjugate: Imaging and Photoinduced Damage of Mitochondrial DNA. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12600-12604	3.6	0
190	Highly Selective Mitochondrial Targeting by a Ruthenium(II) Peptide Conjugate: Imaging and Photoinduced Damage of Mitochondrial DNA. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12420-12424	16.4	42
189	Redox Processes in Solid-State Uranyl (Oxy)hydroxide Minerals. <i>ChemElectroChem</i> , <b>2018</b> , 5, 958-963	4.3	3
188	Self-Assembly Properties of Amphiphilic Iron(III) Spin Crossover Complexes in Water and at the Air/Water Interface. <i>Magnetochemistry</i> , <b>2018</b> , 4, 49	3.1	7

187	Targeting Photoinduced DNA Destruction by Ru(II) Tetraazaphenanthrene in Live Cells by Signal Peptide. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6945-6955	16.4	60
186	Hemispherical platinum : silver core : shell nanoparticles for miRNA detection. <i>Analyst, The</i> , <b>2017</b> , 142, 752-762	5	6
185	Triangular silver nanoplates: Properties and ultrasensitive detection of miRNA. <i>Electrochemistry Communications</i> , <b>2017</b> , 79, 23-27	5.1	11
184	Dynamic studies of the interaction of a pH responsive, amphiphilic polymer with a DOPC lipid membrane. <i>Soft Matter</i> , <b>2017</b> , 13, 3690-3700	3.6	13
183	Spectroscopy of Electrochemical Systems <b>2017</b> , 365-421		1
182	Evaluating Metabolite-Related DNA Oxidation and Adduct Damage from Aryl Amines Using a Microfluidic ECL Array. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12441-12449	7.8	15
181	Multimodal Super-resolution Optical Microscopy Using a Transition-Metal-Based Probe Provides Unprecedented Capabilities for Imaging Both Nuclear Chromatin and Mitochondria. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15907-15913	16.4	58
180	Polypyridyl substituted BODIPY derivatives; water switchable imaging probes that exhibit halogen substituent dependent localisation in live cells. <i>RSC Advances</i> , <b>2017</b> , 7, 43743-43754	3.7	7
179	Rational design of polymeric core shell ratiometric oxygen-sensing nanostructures. <i>Analyst, The</i> , <b>2017</b> , 142, 3400-3406	5	8
178	Strong coupling in porphyrin J-aggregate excitons and plasmons in nano-void arrays. <i>Optical Materials</i> , <b>2017</b> , 72, 680-684	3.3	9
177	SERS in biology/biomedical SERS: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 205, 429-456	3.6	15
176	Electrochemically Triggered Release of Reagent to the Proximal Leaflet of a Microcavity Supported Lipid Bilayer. <i>Langmuir</i> , <b>2017</b> , 33, 6691-6700	4	7
175	Hybrid polyoxometalate materials for photo(electro-) chemical applications. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 306, 217-234	23.2	253
174	Micron dimensioned cavity array supported lipid bilayers for the electrochemical investigation of ionophore activity. <i>Bioelectrochemistry</i> , <b>2016</b> , 112, 16-23	5.6	16
173	Peptide-Mediated Platelet Capture at Gold Micropore Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32189-32201	9.5	6
172	Precision targeted ruthenium(ii) luminophores; highly effective probes for cell imaging by stimulated emission depletion (STED) microscopy. <i>Chemical Science</i> , <b>2016</b> , 7, 6551-6562	9.4	53
171	Electrochemiluminescent Array to Detect Oxidative Damage in ds-DNA Using [Os(bpy)(phen-benz-COOH)]/Nafion/Graphene Films. <i>ACS Sensors</i> , <b>2016</b> , 1, 272-278	9.2	24
170	An efficient route to asymmetrically diconjugated tris(heteroleptic) complexes of Ru(II). <i>RSC Advances</i> , <b>2016</b> , 6, 40869-40877	3.7	16

169	Aqueous-filled polymer microcavity arrays: versatile & stable lipid bilayer platforms offering high lateral mobility to incorporated membrane proteins. <i>Analyst, The</i> , <b>2015</b> , 140, 3012-8	5	19
168	The lateral diffusion and fibrinogen induced clustering of platelet integrin $\alpha_{IIb}\beta_3$ reconstituted into physiologically mimetic GUVs. <i>Integrative Biology (United Kingdom)</i> , <b>2015</b> , 7, 402-11	3.7	15
167	Electrochemiluminescence platform for the detection of C-reactive proteins: application of recombinant antibody technology to cardiac biomarker detection. <i>RSC Advances</i> , <b>2015</b> , 5, 67874-67877	3.7	29
166	Osmium(II) polypyridyl polyarginine conjugate as a probe for live cell imaging; a comparison of uptake, localization and cytotoxicity with its ruthenium(II) analogue. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14323-32	4.3	29
165	Gold nanowires and nanotubes for high sensitivity detection of pathogen DNA. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 215, 159-165	8.5	18
164	Spin transition in arrays of gold nanoparticles and spin crossover molecules. <i>ACS Nano</i> , <b>2015</b> , 9, 4496-507	16.7	67
163	Solvent switchable dual emission from a bichromophoric ruthenium-BODIPY complex. <i>Chemical Communications</i> , <b>2015</b> , 51, 15839-41	5.8	21
162	Magnetic and noble metal nanocomposites for separation and optical detection of biological species. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 27968-80	3.6	14
161	A Cholesterol Biosensor Based on the NIR Electrogenerated-Chemiluminescence (ECL) of Water-Soluble CdSeTe/ZnS Quantum Dots. <i>Electrochimica Acta</i> , <b>2015</b> , 157, 8-14	6.7	41
160	Label-free impedance detection of cancer cells from whole blood on an integrated centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 382-389	11.8	79
159	Fractal structures in n-phenyl-porphyrin J-aggregate films. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 143, 963-968	4.4	10
158	The application of water soluble, mega-Stokes-shifted BODIPY fluorophores to cell and tissue imaging. <i>Journal of Microscopy</i> , <b>2014</b> , 253, 204-18	1.9	31
157	RGD labeled Ru(II) polypyridyl conjugates for platelet integrin $\alpha_{IIb}\beta_3$ recognition and as reporters of integrin conformation. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 928-44	6.3	29
156	Facile Synthesis of Fluorescent Latex Nanoparticles with Selective Binding Properties Using Amphiphilic Glycosylated Polypeptide Surfactants. <i>Macromolecules</i> , <b>2014</b> , 47, 7303-7310	5.5	24
155	High efficiency electrochemiluminescence from polyaniline:ruthenium metal complex films. <i>Electrochemistry Communications</i> , <b>2014</b> , 48, 95-98	5.1	14
154	Electrodeposited gold-copper core-shell nanowires for high sensitivity DNA detection. <i>Analyst, The</i> , <b>2014</b> , 139, 5504-8	5	7
153	Peptide-bridged dinuclear Ru(II) complex for mitochondrial targeted monitoring of dynamic changes to oxygen concentration and ROS generation in live mammalian cells. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15300-9	16.4	81
152	Micro- or nanorod and nanosphere structures derived from a series of phenyl-porphyrins. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4386-93	3.6	23

151	Ligand capture and activation of human platelets at monolayer modified gold surfaces. <i>Biomaterials Science</i> , <b>2014</b> , 2, 1509-1520	7.4	9
150	Electron transfer to covalently immobilized Keggin polyoxotungstates on gold. <i>Langmuir</i> , <b>2014</b> , 30, 4509-4516	7.1	18
149	Dual function metal nanoparticles: Electrocatalysis and DNA capture. <i>Electrochimica Acta</i> , <b>2014</b> , 128, 61-66	6.7	7
148	Fluorescence correlation and lifetime correlation spectroscopy applied to the study of supported lipid bilayer models of the cell membrane. <i>Methods</i> , <b>2014</b> , 68, 286-99	4.6	22
147	The influence of molecular mobility on the properties of networks of gold nanoparticles and organic ligands. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 1664-1674	3	3
146	Graphene oxide intercalation into self-assembled porphyrin J-aggregates. <i>Materials Research Express</i> , <b>2014</b> , 1, 045038	1.7	8
145	Optical properties of porphyrin: graphene oxide composites <b>2014</b> ,		5
144	Investigation of the inhibitory effects of TiO(2) on the $\beta$ -amyloid peptide aggregation. <i>Materials Science and Engineering C</i> , <b>2014</b> , 39, 227-34	8.3	9
143	Insights into electrochemiluminescent enhancement through electrode surface modification. <i>Analyst, The</i> , <b>2013</b> , 138, 677-82	5	32
142	The Effect of Ag Nanoparticles on Surface-Enhanced Luminescence from Au Nanovoid Arrays. <i>Plasmonics</i> , <b>2013</b> , 8, 1567-1575	2.4	23
141	Visible light sensitized photocurrent generation from electrostatically assembled thin films of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> and the polyoxometalate $[W_{18}O_{54}(SO_4)_2]^{4-}$ Optimizing performance in a low electrolyte medium. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 706, 93-101	4.1	19
140	Surface enhanced luminescence and Raman scattering from ferroelectrically defined Ag nanopatterned arrays. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 083105	3.4	30
139	Vapour phase polymerised polyaniline-gold nanoparticle composites for DNA detection. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 711, 38-44	4.1	9
138	Polypyrrole-gold nanoparticle composites for highly sensitive DNA detection. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 102-109	6.7	26
137	DNA mediated immobilisation of electrocatalytic platinum nanoparticles in gold nanocavity arrays. <i>Chemical Communications</i> , <b>2013</b> , 49, 1380-2	5.8	11
136	Electrochemically Induced Release of a Luminescent Probe from a Rhenium-Containing Metallopolymer. <i>ChemPlusChem</i> , <b>2013</b> , 78, 55-61	2.8	2
135	Tuning the electrochemiluminescence potential from immobilised BODIPY by co-reactant selection. <i>Electrochemistry Communications</i> , <b>2013</b> , 31, 116-119	5.1	5
134	Temperature dependence of a <sub>1</sub> and b <sub>2</sub> type modes in the surface enhanced Raman from 4-Aminobenzenethiol. <i>Chemical Physics Letters</i> , <b>2013</b> , 556, 158-162	2.5	6

133	Ultrafast Electrochemical Techniques Update based on the original article by Robert J. Forster, Encyclopedia of Analytical Chemistry, □ 2000, John Wiley & Sons, Ltd. <b>2013</b> ,		2
132	Peptide directed transmembrane transport and nuclear localization of Ru(II) polypyridyl complexes in mammalian cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 2658-60	5.8	49
131	Electrochemiluminescent Biosensors: Neuroscience Applications. <i>Neuromethods</i> , <b>2013</b> , 347-367	0.4	3
130	The photocatalytic inactivation effect of Ag <sup>III</sup> IO <sub>2</sub> on $\beta$ -amyloid peptide (1 $\beta$ 2). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 254, 1-11	4.7	29
129	Detection of sub-femtomolar DNA based on double potential electrodeposition of electrocatalytic platinum nanoparticles. <i>Analyst, The</i> , <b>2013</b> , 138, 4340-4	5	14
128	DNA sensor based on vapour polymerised pedot films functionalised with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 65-70	11.8	45
127	Cell uptake and cytotoxicity of a novel cyclometalated iridium(III) complex and its octaarginine peptide conjugate. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 119, 65-74	4.2	41
126	Label-free impedance detection of cancer cells. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 2216-22	7.8	58
125	Naphthyridyl-Substituted 4,4-Difluoro-4-bora-3a,4a-diaza-s-indacene (BODIPY) Luminophores: Photophysics and Application as Molecular Imaging Probes in Live Cells. <i>Asian Journal of Organic Chemistry</i> , <b>2013</b> , 2, 763-778	3	10
124	Synthesis, tailoring and characterization of silica nanoparticles containing a highly stable ruthenium complex. <i>Nanotechnology</i> , <b>2013</b> , 24, 365705	3.4	10
123	Highly sensitive detection of NADH using electrochemiluminescent nanocomposites. <i>Electrochemistry Communications</i> , <b>2012</b> , 19, 43-45	5.1	28
122	High sensitivity carbon nanotube based electrochemiluminescence sensor array. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 31, 233-9	11.8	53
121	Template Assembly of Spin Crossover One-Dimensional Nanowires. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12161-12165	16.1	165
120	Template assembly of spin crossover one-dimensional nanowires. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11995-9	16.4	24
119	Cooperative spin transition in a mononuclear manganese(III) complex. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12597-601	16.4	66
118	Regio selective functionalisation of gold nanoparticles with DNA. <i>Chemical Communications</i> , <b>2012</b> , 48, 838-40	5.8	7
117	Self assembled composites of luminescent Ru(II) metallopolymer and the Dawson polyoxometalate $[Mo_{18}O_{54}(SO_4)_2]^{4-}$ . <i>Dalton Transactions</i> , <b>2012</b> , 41, 9928-37	4.3	17
116	Ruthenium metallopolymer: Dawson polyoxomolybdate $[Mo_{18}O_{54}(SO_4)_2]^{4-}$ adduct films: sensitization for visible photoelectrocatalysis. <i>Langmuir</i> , <b>2012</b> , 28, 13536-41	4	19



- 115 Highly luminescent Ru(II) metallopolymers: photonic and redox properties in solution and as thin films. *Photochemical and Photobiological Sciences*, **2012**, 11, 1547-57 4.2 9
- 114 Physical characterization and reactivity of the uranyl peroxide  $[\text{UO}_2(\text{I}_2)\text{-O}_2](\text{H}_2\text{O})_2] \cdot 2\text{H}_2\text{O}$ : implications for storage of spent nuclear fuels. *Inorganic Chemistry*, **2012**, 51, 8509-15 5.1 27
- 113 Electrochemiluminescence properties of a carboxy functionalised BODIPY. *Electrochemistry Communications*, **2012**, 21, 46-49 5.1 11
- 112 Enhanced photocurrent production from thin films of Ru(II) metallopolymer/Dawson polyoxotungstate adducts under visible irradiation. *Chemical Communications*, **2012**, 48, 3593-5 5.8 51
- 111 Poly-ethylene glycol induced super-diffusivity in lipid bilayer membranes. *Soft Matter*, **2012**, 8, 8743 3.6 15
- 110 Effect of Cavity Architecture on the Surface-Enhanced Emission from Site-Selective Nanostructured Cavity Arrays. *Journal of Physical Chemistry C*, **2012**, 116, 1784-1788 3.8 28
- 109 Near IR emitting BODIPY fluorophores with mega-Stokes shifts. *Chemical Communications*, **2012**, 48, 5617-9 5.8 56
- 108 High sensitivity DNA detection based on regioselectively decorated electrocatalytic nanoparticles. *Analytical Chemistry*, **2012**, 84, 6471-6 7.8 16
- 107 Membrane permeable luminescent metal complexes for cellular imaging **2012**, 3
- 106 Reflectance properties of gold nano-cavity spherical and cuboid molded arrays **2012**, 2
- 105 Electrochemical properties of ruthenium metallopolymer: Monolayer-protected gold cluster nanocomposites. *Journal of Electroanalytical Chemistry*, **2011**, 662, 30-35 4.1 6
- 104 Site selective surface enhanced Raman scattering on nanostructured cavity arrays **2011**, 1
- 103 Site selective surface enhanced Raman on nanostructured cavities. *Applied Physics Letters*, **2011**, 99, 033104 3.4 24
- 102 Electrochemiluminescence (ECL) sensing properties of water soluble core-shell CdSe/ZnS quantum dots/Nafion composite films. *Journal of Materials Chemistry*, **2011**, 21, 13984 6.0
- 101 Electrochemiluminescent metallopolymer-nanoparticle composites: nanoparticle size effects. *Analytical Chemistry*, **2011**, 83, 2383-7 7.8 23
- 100 Probing the metal-to-ligand charge transfer first excited state in  $(\text{I}_6\text{-naphthalene})\text{Cr}(\text{CO})_3$  and  $(\text{I}_6\text{-phenanthrene})\text{Cr}(\text{CO})_3$  by resonance Raman spectroscopy and density functional theory calculations. *Journal of Physical Chemistry A*, **2011**, 115, 11641-51 2.8 6
- 99 High sensitivity DNA detection using gold nanoparticle functionalised polyaniline nanofibres. *Biosensors and Bioelectronics*, **2011**, 26, 2613-8 11.8 65
- 98 Detecting Disease Biomarkers Using Nanocavities and Nanoparticle Composites. *Journal of Physics: Conference Series*, **2011**, 307, 012001 0.3



97	Adsorption and photocatalytic degradation of human serum albumin on TiO <sub>2</sub> and Ag <sup>III</sup> TiO <sub>2</sub> films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 222, 123-131	4.7	34
96	Photocurrent generation from thin films of ruthenium metallopolymer: polyoxometalate adducts using visible excitation. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 899-902	5.1	29
95	Silica nanoparticles containing a rhodamine dye and multiple gold nanorods. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 4659-4672	2.3	3
94	Fabrication of gold sphere to cuboid nanoarrays using PDMS templates. <i>Chemical Communications</i> , <b>2011</b> , 47, 7605-7	5.8	6
93	Regio-selective decoration of nanocavity metal arrays: contributions from localized and delocalized plasmons to surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 14705-14	3.6	18
92	Mechanism and release rates of surface confined cyclodextrin guests. <i>Analyst, The</i> , <b>2011</b> , 136, 5051-7	5	3
91	Ground and excited state communication within a ruthenium containing benzimidazole metallopolymer. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 7095-101	3.6	12
90	Electronic and photophysical properties of adducts of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> and Dawson-type sulfite polyoxomolybdates $[Mo_{18}O_{54}(SO_3)_2]^{4-}$ . <i>Dalton Transactions</i> , <b>2011</b> , 40, 2038-45	4.3	36
89	Lipid bilayer assembly at a gold nanocavity array. <i>Chemical Communications</i> , <b>2011</b> , 47, 12530-2	5.8	15
88	Potential modulated electrochemiluminescence of ruthenium containing metallopolymer films. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 396-398	5.1	10
87	Surface enhanced resonance Raman and luminescence on plasmon active nanostructured cavities. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 153110	3.4	26
86	Host-guest directed assembly of gold nanoparticle arrays. <i>Langmuir</i> , <b>2010</b> , 26, 1325-33	4	21
85	Formation and growth of oxide layers at platinum and gold nano- and microelectrodes. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 7135-40	7.8	20
84	Enhanced electrochemiluminescence and charge transport through films of metallopolymer-gold nanoparticle composites. <i>Langmuir</i> , <b>2010</b> , 26, 2130-5	4	43
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