Craig Banks

List of Publications by Citations

543 papers	28,010 citations	78 h-index	144 g-index
572 ext. papers	31,002 ext. citations	5.3 avg, IF	7.73 L-index

#	Paper	IF	Citations
543	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-Ion Batteries with Ultralong Cycle Life. *Advanced Materials*, **2015**, 27, 7861-6	24	892
542	Metal nanoparticles and related materials supported on carbon nanotubes: methods and applications. *Small*, **2006**, 2, 182-93	11	885
541	Electrocatalysis at graphite and carbon nanotube modified electrodes: edge-plane sites and tube ends are the reactive sites. *Chemical Communications*, **2005**, 829-41	5.8	853
540	An overview of graphene in energy production and storage applications. *Journal of Power Sources*, **2011**, 196, 4873-4885	8.9	712
539	Carbon nanotubes contain metal impurities which are responsible for the "electrocatalysis" seen at some nanotube-modified electrodes. *Angewandte Chemie - International Edition*, **2006**, 45, 2533-7	16.4	528
538	Graphene electrochemistry: fundamental concepts through to prominent applications. *Chemical Society Reviews*, **2012**, 41, 6944-76	58.5	497
537	New electrodes for old: from carbon nanotubes to edge plane pyrolytic graphite. *Analyst, The*, **2006**, 131, 15-21	5	490
536	Basal plane pyrolytic graphite modified electrodes: comparison of carbon nanotubes and graphite powder as electrocatalysts. *Analytical Chemistry*, **2004**, 76, 2677-82	7.8	445
535	Graphene electrochemistry: an overview of potential applications. *Analyst, The*, **2010**, 135, 2768-78	5	438
534	A decade of graphene research: production, applications and outlook. *Materials Today*, **2014**, 17, 426-432	21.8	368
533	Electrochemical impedance spectroscopy: an overview of bioanalytical applications. *Analytical Methods*, **2013**, 5, 1098	3.2	367
532	Investigation of modified basal plane pyrolytic graphite electrodes: definitive evidence for the electrocatalytic properties of the ends of carbon nanotubes. *Chemical Communications*, **2004**, 1804-5	5.8	364
531	Iron oxide particles are the active sites for hydrogen peroxide sensing at multiwalled carbon nanotube modified electrodes. *Nano Letters*, **2006**, 6, 1556-8	11.5	355
530	Exploring the electrocatalytic sites of carbon nanotubes for NADH detection: an edge plane pyrolytic graphite electrode study. *Analyst, The*, **2005**, 130, 1232-9	5	348
529	New directions in screen printed electroanalytical sensors: an overview of recent developments. *Analyst, The*, **2011**, 136, 1067-76	5	342
528	Silver nanoparticle assemblies supported on glassy-carbon electrodes for the electro-analytical detection of hydrogen peroxide. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 12-21	4.4	340
527	Microbial fuel cells: An overview of current technology. *Renewable and Sustainable Energy Reviews*, **2019**, 101, 60-81	16.2	317

526	Chemically Modified Carbon Nanotubes for Use in Electroanalysis. *Mikrochimica Acta*, **2006**, 152, 187-214	5.8	295
525	3D Printed Graphene Based Energy Storage Devices. *Scientific Reports*, **2017**, 7, 42233	4.9	248
524	A carbon quantum dot decorated RuO2 network: outstanding supercapacitances under ultrafast charge and discharge. *Energy and Environmental Science*, **2013**, 6, 3665	35.4	247
523	Electrochemical capacitors utilising transition metal oxides: an update of recent developments. *RSC Advances*, **2011**, 1, 1171	3.7	236
522	Graphene-Rich Wrapped Petal-Like Rutile TiO tuned by Carbon Dots for High-Performance Sodium Storage. *Advanced Materials*, **2016**, 28, 9391-9399	24	226
521	The electroanalytical detection of hydrazine: a comparison of the use of palladium nanoparticles supported on boron-doped diamond and palladium plated BDD microdisc array. *Analyst, The*, **2006**, 131, 106-10	5	221
520	Understanding Voltammetry **2007**,		217
519	Electrochemistry of graphene: not such a beneficial electrode material?. *RSC Advances*, **2011**, 1, 978	3.7	201
518	Carbon dots supported upon N-doped TiO2 nanorods applied into sodium and lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 5648-5655	13	197
517	Spinel NiCo2O4 for use as a high-performance supercapacitor electrode material: Understanding of its electrochemical properties. *Journal of Power Sources*, **2014**, 267, 888-900	8.9	191
516	Oxygenated edge plane sites slow the electron transfer of the ferro-/ferricyanide redox couple at graphite electrodes. *ChemPhysChem*, **2006**, 7, 1337-44	3.2	190
515	Voltammetry at spatially heterogeneous electrodes. *Journal of Solid State Electrochemistry*, **2005**, 9, 797-808	2.6	186
514	Advanced Hierarchical Vesicular Carbon Co-Doped with S, P, N for High-Rate Sodium Storage. *Advanced Science*, **2018**, 5, 1800241	13.6	177
513	First exploration of Na-ion migration pathways in the NASICON structure Na3V2(PO4)3. *Journal of Materials Chemistry A*, **2014**, 2, 5358	13	172
512	An overview of recent applications of reduced graphene oxide as a basis of electroanalytical sensing platforms. *Applied Materials Today*, **2018**, 10, 218-226	6.6	170
511	Oxygen Vacancies Evoked Blue TiO2(B) Nanobelts with Efficiency Enhancement in Sodium Storage Behaviors. *Advanced Functional Materials*, **2017**, 27, 1700856	15.6	165
510	The cyclic voltammetric response of electrochemically heterogeneous surfaces. *Journal of Electroanalytical Chemistry*, **2004**, 574, 123-152	4.1	164
509	Electrochemistry of immobilised redox droplets: Concepts and applications. *Physical Chemistry Chemical Physics*, **2003**, 5, 4053	3.6	164

508	The cyclic and linear sweep voltammetry of regular arrays of microdisc electrodes: Fitting of experimental data. *Journal of Electroanalytical Chemistry*, **2005**, 585, 51-62	4.1	160
507	Electrochemical properties of CVD grown pristine graphene: monolayer- vs. quasi-graphene. *Nanoscale*, **2014**, 6, 1607-21	7.7	157
506	An overview of the electrochemical reduction of oxygen at carbon-based modified electrodes. *Journal of the Iranian Chemical Society*, **2005**, 2, 1-25	2	152
505	Characterisation of commercially available electrochemical sensing platforms. *Sensors and Actuators B: Chemical*, **2009**, 138, 556-562	8.5	151
504	Determination of the Electrochemical Area of Screen-Printed Electrochemical Sensing Platforms. *Biosensors*, **2018**, 8,	5.9	146
503	Binding MoSe2 with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. *Energy Storage Materials*, **2018**, 12, 310-323	19.4	144
502	Electrocatalytic detection of thiols using an edge plane pyrolytic graphite electrode. *Analyst, The*, **2004**, 129, 755-8	5	134
501	Edge plane pyrolytic graphite electrodes in electroanalysis: an overview. *Analytical Sciences*, **2005**, 21, 1263-8	1.7	133
500	Exploration of ion migration mechanism and diffusion capability for Na3V2(PO4)2F3 cathode utilized in rechargeable sodium-ion batteries. *Journal of Power Sources*, **2014**, 256, 258-263	8.9	126
499	Abrasive immobilization of carbon nanotubes on a basal plane pyrolytic graphite electrode: application to the detection of epinephrine. *Analyst, The*, **2004**, 129, 225-8	5	124
498	The Handbook of Graphene Electrochemistry **2014**,		123
497	The electrochemistry of CVD graphene: progress and prospects. *Physical Chemistry Chemical Physics* , **2012**, 14, 8264-81	3.6	121
496	The fabrication, characterisation and electrochemical investigation of screen-printed graphene electrodes. *Physical Chemistry Chemical Physics*, **2014**, 16, 4598-611	3.6	118
495	Exploring the physicoelectrochemical properties of graphene. *Chemical Communications*, **2010**, 46, 8986-88	5.8	118
494	2D Hexagonal Boron Nitride (2D-hBN) Explored for the Electrochemical Sensing of Dopamine. *Analytical Chemistry*, **2016**, 88, 9729-9737	7.8	115
493	Electrochemical lactate biosensor based upon chitosan/carbon nanotubes modified screen-printed graphite electrodes for the determination of lactate in embryonic cell cultures. *Biosensors and Bioelectronics*, **2016**, 77, 1168-74	11.8	113
492	Antimonene: A Novel 2D Nanomaterial for Supercapacitor Applications. *Advanced Energy Materials*, **2018**, 8, 1702606	21.8	109
491	Electroanalytical determination of trace chloride in room-temperature ionic liquids. *Analytical Chemistry*, **2004**, 76, 1998-2003	7.8	106

490	Understanding Voltammetry **2010**,		105
489	An overview of recent developments in the analytical detection of new psychoactive substances (NPSs). *Analyst, The*, **2015**, 140, 4932-48	5	101
488	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. *ACS Applied Materials & Interfaces*, **2015**, 7, 22741-4	9.5	99
487	Recent Advances in Electrosynthesized Molecularly Imprinted Polymer Sensing Platforms for Bioanalyte Detection. *Sensors*, **2019**, 19,	3.8	98
486	A Na3V2(PO4)3 cathode material for use in hybrid lithium ion batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 14357-63	3.6	98
485	Imparting improvements in electrochemical sensors: evaluation of different carbon blacks that give rise to significant improvement in the performance of electroanalytical sensing platforms. *Electrochimica Acta*, **2015**, 157, 125-133	6.7	94
484	Electroanalytical determination of cadmium(II) and lead(II) using an in-situ bismuth film modified edge plane pyrolytic graphite electrode. *Analytical Sciences*, **2007**, 23, 283-9	1.7	94
483	2D nanosheet molybdenum disulphide (MoS2) modified electrodes explored towards the hydrogen evolution reaction. *Nanoscale*, **2015**, 7, 18152-68	7.7	93
482	Non-enzymatic electrochemical platform for parathion pesticide sensing based on nanometer-sized nickel oxide modified screen-printed electrodes. *Food Chemistry*, **2018**, 255, 104-111	8.5	93
481	Electroanalysis Utilizing Amperometric Microdisk Electrode Arrays. *Electroanalysis*, **2007**, 19, 1973-1986	3	93
480	Simultaneous Voltammetric Determination of Acetaminophen and Isoniazid (Hepatotoxicity-Related Drugs) Utilizing Bismuth Oxide Nanorod Modified Screen-Printed Electrochemical Sensing Platforms. *Analytical Chemistry*, **2017**, 89, 2170-2178	7.8	92
479	Na2FePO4F cathode utilized in hybrid-ion batteries: a mechanistic exploration of ion migration and diffusion capability. *Journal of Materials Chemistry A*, **2014**, 2, 2571	13	91
478	Trace Detection of Mercury(II) Using Gold Ultra-Microelectrode Arrays. *Electroanalysis*, **2006**, 18, 573-578	3	91
477	Direct Oxidation of Ascorbic Acid at an Edge Plane Pyrolytic Graphite Electrode: A Comparison of the Electroanalytical Response with Other Carbon Electrodes. *Electroanalysis*, **2005**, 17, 1529-1533	3	89
476	Single walled carbon nanotubes contain residual iron oxide impurities which can dominate their electrochemical activity. *Electrochemistry Communications*, **2007**, 9, 2330-2333	5.1	87
475	Electroanalytical sensing of chromium(III) and (VI) utilising gold screen printed macro electrodes. *Analyst, The*, **2012**, 137, 896-902	5	86
474	Graphite screen printed electrodes for the electrochemical sensing of chromium(VI). *Analyst, The*, **2010**, 135, 1947-52	5	86
473	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. *Analytical Chemistry*, **2019**, 91, 12844-12851	7.8	85

472	Fabrication of Graphene Oxide Supercapacitor Devices. *ACS Applied Energy Materials*, **2018**, 1, 707-714	6.1	83
471	Aqueous Sodium-Ion Battery using a Na3V2(PO4)3 Electrode. *ChemElectroChem*, **2014**, 1, 871-876	4.3	82
470	Use of high-purity metal-catalyst-free multiwalled carbon nanotubes to avoid potential experimental misinterpretations. *Langmuir*, **2007**, 23, 9501-4	4	82
469	Paper-based electroanalytical sensing platforms. *Analytical Methods*, **2013**, 5, 103-110	3.2	79
468	Freestanding three-dimensional graphene foam gives rise to beneficial electrochemical signatures within non-aqueous media. *Journal of Materials Chemistry A*, **2013**, 1, 5962	13	79
467	Boron-doped diamond microdisc arrays: electrochemical characterisation and their use as a substrate for the production of microelectrode arrays of diverse metals (Ag, Au, Cu)via electrodeposition. *Analyst, The*, **2005**, 130, 1303-11	5	79
466	A self-catalytic carbon paste electrode for the detection of vitamin B12. *Analytical Chemistry*, **2004**, 76, 161-5	7.8	78
465	A promising Na3V2(PO4)3 cathode for use in the construction of high energy batteries. *Physical Chemistry Chemical Physics*, **2014**, 16, 3055-61	3.6	77
464	Fabricating graphene supercapacitors: highlighting the impact of surfactants and moieties. *Chemical Communications*, **2012**, 48, 1425-7	5.8	77
463	Iron(III) Oxide Graphite Composite Electrodes: Application to the Electroanalytical Detection of Hydrazine and Hydrogen Peroxide. *Electroanalysis*, **2006**, 18, 1757-1762	3	77
462	Boron doped diamond electrode modified with iridium oxide for amperometic detection of ultra trace amounts of arsenic(III). *Analyst, The*, **2004**, 129, 9	5	76
461	Sonically assisted electroanalytical detection of ultratrace arsenic. *Analytical Chemistry*, **2004**, 76, 5051-5	7.8	76
460	Graphene Electrochemistry: Surfactants Inherent to Graphene Can Dramatically Effect Electrochemical Processes. *Electroanalysis*, **2011**, 23, 894-899	3	74
459	Super-washing does not leave single walled carbon nanotubes iron-free. *Analyst, The*, **2007**, 132, 21-3	5	74
458	Multifunctional dual Na3V2(PO4)2F3 cathode for both lithium-ion and sodium-ion batteries. *RSC Advances*, **2014**, 4, 11375-11383	3.7	73
457	The electrochemical performance of graphene modified electrodes: an analytical perspective. *Analyst, The*, **2012**, 137, 1815-23	5	73
456	Quantifying the electron transfer sites of graphene. *Electrochemistry Communications*, **2011**, 13, 8-11	5.1	72
455	Carbon Nanotubes Contain Metal Impurities Which Are Responsible for the "Electrocatalysis" Seen at Some Nanotube-Modified Electrodes. *Angewandte Chemie*, **2006**, 118, 2595-2599	3.6	72

454	Ultrasonically Enhanced Voltammetric Analysis and Applications: An Overview. *Electroanalysis*, **2003**, 15, 329-346	3	72
453	The Electrochemical Detection of Arsenic(III) at a Silver Electrode. *Electroanalysis*, **2005**, 17, 1727-1733	3	72
452	Future of additive manufacturing: Overview of 4D and 3D printed smart and advanced materials and their applications. *Chemical Engineering Journal*, **2021**, 403, 126162	14.7	72
451	Antimicrobial Efficacy and Synergy of Metal Ions against Enterococcus faecium, Klebsiella pneumoniae and Acinetobacter baumannii in Planktonic and Biofilm Phenotypes. *Scientific Reports*, **2017**, 7, 5911	4.9	71
450	Electroanalytical applications of boron-doped diamond microelectrode arrays. *Talanta*, **2006**, 69, 829-34	6.2	71
449	The latest developments in quantifying cyanide and hydrogen cyanide. *TrAC - Trends in Analytical Chemistry*, **2015**, 64, 75-85	14.6	70
448	2D molybdenum disulphide (2D-MoS2) modified electrodes explored towards the oxygen reduction reaction. *Nanoscale*, **2016**, 8, 14767-77	7.7	70
447	All-diamond microelectrode array device. *Analytical Chemistry*, **2005**, 77, 3705-8	7.8	69
446	Graphene electrochemistry: Surfactants inherent to graphene inhibit metal analysis. *Electrochemistry Communications*, **2011**, 13, 111-113	5.1	68
445	Mercury-free sono-electroanalytical detection of lead in human blood by use of bismuth-film-modified boron-doped diamond electrodes. *Analytical and Bioanalytical Chemistry*, **2004**, 379, 700-6	4.4	66
444	Facile synthetic fabrication of iron oxide particles and novel hydrogen superoxide supercapacitors. *RSC Advances*, **2012**, 2, 6672	3.7	65
443	Palladium Sub-Nanoparticle Decorated Bamboo Multi-Walled Carbon Nanotubes Exhibit Electrochemical Metastability: Voltammetric Sensing in Otherwise Inaccessible pH Ranges. *Electroanalysis*, **2006**, 18, 2481-2485	3	65
442	Understanding Voltammetry **2018**,		65
441	A new approach for the improved interpretation of capacitance measurements for materials utilised in energy storage. *RSC Advances*, **2015**, 5, 12782-12791	3.7	64
440	Understanding the Physicoelectrochemical Properties of Carbon Nanotubes: Current State of the Art. *Electroanalysis*, **2010**, 22, 7-19	3	63
439	The Shono-type electroorganic oxidation of unfunctionalised amides. Carbon-carbon bond formation via electrogenerated N-acyliminium ions. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 3056-72	2.5	62
438	Forensic electrochemistry: the electroanalytical sensing of synthetic cathinone-derivatives and their accompanying adulterants in "legal high" products. *Analyst, The*, **2014**, 139, 389-400	5	61
437	Forensic electrochemistry applied to the sensing of new psychoactive substances: electroanalytical sensing of synthetic cathinones and analytical validation in the quantification of seized street samples. *Analytical Chemistry*, **2014**, 86, 9985-92	7.8	61

436	Square-wave voltammetric determination of paraquat using a glassy carbon electrode modified with multiwalled carbon nanotubes within a dihexadecylhydrogenphosphate (DHP) film. *Sensors and Actuators B: Chemical*, **2013**, 181, 306-311	8.5	61
435	Copper Oxide Graphite Composite Electrodes: Application to Nitrite Sensing. *Electroanalysis*, **2007**, 19, 79-84	3	61
434	Electrochemically polymerised composites of multi-walled carbon nanotubes and poly(vinylferrocene) and their use as modified electrodes: application to glucose sensing. *Analyst, The*, **2006**, 131, 670-7	5	61
433	The transport limited currents at insonated electrodes. *Physical Chemistry Chemical Physics*, **2004**, 6, 3147	3.6	61
432	Combination of electrochemical biosensor and textile threads: A microfluidic device for phenol determination in tap water. *Biosensors and Bioelectronics*, **2018**, 99, 382-388	11.8	61
431	Simultaneous Determination of Uric Acid and Ascorbic Acid Using Edge Plane Pyrolytic Graphite Electrodes. *Electroanalysis*, **2006**, 18, 741-747	3	60
430	Gold Nanoparticle Modified Screen Printed Electrodes for the Trace Sensing of Arsenic(III) in the Presence of Copper(II). *Electroanalysis*, **2010**, 22, 2496-2501	3	59
429	Highly sensitive amperometric sensing of nitrite utilizing bulk-modified MnO 2 decorated Graphene oxide nanocomposite screen-printed electrodes. *Electrochimica Acta*, **2017**, 227, 255-266	6.7	58
428	Ultraflexible Screen-Printed Graphitic Electroanalytical Sensing Platforms. *Electroanalysis*, **2014**, 26, 262-274	3	58
427	Hexagonal nickel oxide nanoplate-based electrochemical supercapacitor. *Journal of Materials Science*, **2012**, 47, 503-507	4.3	58
426	Electrochemical impedance spectroscopy versus cyclic voltammetry for the electroanalytical sensing of capsaicin utilising screen printed carbon nanotube electrodes. *Analyst, The*, **2013**, 138, 2970-81	5	58
425	Voltammetry of Electroactive Oil Droplets: Electrochemically-Induced Ion Insertion, Expulsion and Reaction Processes at Microdroplets of N,N,N N Tetraalkyl-para- phenylenediamines (TRPD, R = n-Butyl, n-Hexyl, n-Heptyl and n-Nonyl). *Journal of Physical Chemistry B*, **2002**, 106, 9619-9632	3.4	58
424	The detection of nitrate using in-situ copper nanoparticle deposition at a boron doped diamond electrode. *Analytical Sciences*, **2005**, 21, 1421-30	1.7	57
423	Forensic electrochemistry: the electroanalytical sensing of Rohypnol (flunitrazepam) using screen-printed graphite electrodes without recourse for electrode or sample pre-treatment. *Analyst, The*, **2013**, 138, 6185-91	5	56
422	Graphene electrochemical supercapacitors: the influence of oxygen functional groups. *Chemical Communications*, **2012**, 48, 2770-2	5.8	56
421	Manganese dioxide graphite composite electrodes: application to the electroanalysis of hydrogen peroxide, ascorbic acid and nitrite. *Analytical Sciences*, **2007**, 23, 165-70	1.7	56
420	Lead(IV) oxide-graphite composite electrodes: application to sensing of ammonia, nitrite and phenols. *Analytica Chimica Acta*, **2007**, 587, 240-6	6.6	56
419	Manganese detection in marine sediments: anodic vs. cathodic stripping voltammetry. *Talanta*, **2005**, 65, 423-9	6.2	56

418	Ultrasonic effects on the electro-reduction of oxygen at a glassy carbon anthraquinone-modified electrode. The Koutecky–levich equation applied to insonated electro-catalytic reactions. *Physical Chemistry Chemical Physics*, **2003**, 5, 3988-3993	3.6	56
417	In situ electrochemical characterisation of graphene and various carbon-based electrode materials: an internal standard approach. *RSC Advances*, **2015**, 5, 37281-37286	3.7	55
416	Electroanalytical thread-device for estriol determination using screen-printed carbon electrodes modified with carbon nanotubes. *Sensors and Actuators B: Chemical*, **2017**, 241, 978-984	8.5	55
415	Sonoelectroanalytical Detection of Ultra-Trace Arsenic. *Electroanalysis*, **2005**, 17, 335-342	3	55
414	Novel MWCNTs/graphene oxide/pyrogallol composite with enhanced sensitivity for biosensing applications. *Biosensors and Bioelectronics*, **2017**, 89, 1034-1041	11.8	54
413	Graphene electrochemistry: fabricating amperometric biosensors. *Analyst, The*, **2011**, 136, 2084-9	5	54
412	Next generation screen printed electrochemical platforms: Non-enzymatic sensing of carbohydrates using screen printed electrodes. *Analytical Methods*, **2009**, 1, 183-187	3.2	53
411	Regular arrays of microdisc electrodes: simulation quantifies the fraction of 'dead' electrodes. *Analyst, The*, **2006**, 131, 440-5	5	53
410	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. *Analyst, The*, **2016**, 141, 2791-9	5	52
409	Cobalt phthalocyanine modified electrodes utilised in electroanalysis: nano-structured modified electrodes vs. bulk modified screen-printed electrodes. *Sensors*, **2014**, 14, 21905-22	3.8	52
408	Characterization and fabrication of disposable screen printed microelectrodes. *Electrochemistry Communications*, **2009**, 11, 1377-1380	5.1	52
407	Sonoelectrochemistry Understood via Nanosecond Voltammetry: Sono-emulsions and the Measurement of the Potential of Zero Charge of a Solid Electrode. *Journal of Physical Chemistry B*, **2002**, 106, 5810-5813	3.4	52
406	Self-assembly of porous copper oxide hierarchical nanostructures for selective determinations of glucose and ascorbic acid. *RSC Advances*, **2016**, 6, 14474-14482	3.7	51
405	CVD graphene electrochemistry: the role of graphitic islands. *Physical Chemistry Chemical Physics*, **2011**, 13, 15825-8	3.6	51
404	Graphene ultracapacitors: structural impacts. *Physical Chemistry Chemical Physics*, **2013**, 15, 4799-803	3.6	50
403	Electrode Kinetic Studies of the Hydroquinone–Benzoquinone System and the Reaction between Hydroquinone and Ammonia in Propylene Carbonate: Application to the Indirect Electroanalytical Sensing of Ammonia. *Journal of Physical Chemistry C*, **2007**, 111, 1496-1504	3.8	50
402	Edge plane sites on highly ordered pyrolytic graphite as templates for making palladium nanowires via electrochemical decoration. *Journal of Physical Chemistry B*, **2006**, 110, 22306-9	3.4	50
401	Sonoelectroanalysis: investigation of bismuth-film-modified glassy carbon electrodes. *Analytical and Bioanalytical Chemistry*, **2004**, 379, 277-82	4.4	50

400	CVD graphene electrochemistry: biologically relevant molecules. *Physical Chemistry Chemical Physics*, **2011**, 13, 20284-8	3.6	49
399	Simultaneous voltammetric determination of antihypertensive drugs nifedipine and atenolol utilizing MgO nanoplatelet modified screen-printed electrodes in pharmaceuticals and human fluids. *Sensors and Actuators B: Chemical*, **2017**, 252, 1045-1054	8.5	48
398	Direct electrochemistry of hemoglobin and biosensing for hydrogen peroxide using a film containing silver nanoparticles and poly(amidoamine) dendrimer. *Materials Science and Engineering C*, **2016**, 58, 97-102	8.3	48
397	A comparison of different types of gold-carbon composite electrode for detection of arsenic(III). *Analytical and Bioanalytical Chemistry*, **2005**, 381, 979-85	4.4	48
396	Graphene oxide electrochemistry: the electrochemistry of graphene oxide modified electrodes reveals coverage dependent beneficial electrocatalysis. *Royal Society Open Science*, **2017**, 4, 171128	3.3	47
395	Analytical methods for quantifying creatinine within biological media. *Sensors and Actuators B: Chemical*, **2013**, 183, 239-252	8.5	47
394	Disposable highly ordered pyrolytic graphite-like electrodes: Tailoring the electrochemical reactivity of screen printed electrodes. *Electrochemistry Communications*, **2010**, 12, 6-9	5.1	47
393	Nanoscale tunable proton/hydrogen sensing: evidence for surface-adsorbed hydrogen atom on architectured palladium nanoparticles. *Journal of the American Chemical Society*, **2007**, 129, 6068-9	16.4	47
392	Modification of carbon electrodes for oxygen reduction and hydrogen peroxide formation: The search for stable and efficient sonoelectrocatalysts. *Physical Chemistry Chemical Physics*, **2004**, 6, 992-997	3.6	47
391	Voltammetric exploration and applications of ultrasonic cavitation. *ChemPhysChem*, **2003**, 4, 169-78	3.2	47
390	The fabrication of novel screen printed single-walled carbon nanotube electrodes: Electroanalytical applications. *Sensors and Actuators B: Chemical*, **2013**, 177, 1043-1052	8.5	46
389	Mechanistic investigation of ion migration in Na3V2(PO4)2F3 hybrid-ion batteries. *Physical Chemistry Chemical Physics*, **2015**, 17, 159-65	3.6	45
388	Non-enzymatic amperometric glucose biosensor based on nickel hexacyanoferrate nanoparticle film modified electrodes. *Colloids and Surfaces B: Biointerfaces*, **2010**, 78, 363-6	6	45
387	Screen-printed electrodes: Transitioning the laboratory in-to-the field. *Talanta Open*, **2021**, 3, 100032	5.6	45
386	The Oxygen Reduction Reaction at Graphene Modified Electrodes. *Electroanalysis*, **2014**, 26, 76-83	3	44
385	Recent advances in portable heavy metal electrochemical sensing platforms. *Environmental Science: Water Research and Technology*, **2020**, 6, 2676-2690	4.2	44
384	Surfactant-exfoliated 2D hexagonal boron nitride (2D-hBN): role of surfactant upon the electrochemical reduction of oxygen and capacitance applications. *Journal of Materials Chemistry A*, **2017**, 5, 4103-4113	13	43
383	Metallic modified (bismuth, antimony, tin and combinations thereof) film carbon electrodes. *Analyst, The*, **2015**, 140, 7598-612	5	43

382	Printable thin film supercapacitors utilizing single crystal cobalt hydroxide nanosheets. *RSC Advances*, **2012**, 2, 1508-1515	3.7	43
381	Ultrafast Chronoamperometry of Acoustically Agitated Solid Particulate Suspensions: Nonfaradaic and Faradaic Processes at a Polycrystalline Gold Electrode. *Journal of Physical Chemistry B*, **2004**, 108, 18391-18394	3.4	43
380	An In Situ Copper Plated Boron-Doped Diamond Microelectrode Array for the Sensitive Electrochemical Detection of Nitrate. *Electroanalysis*, **2005**, 17, 1806-1815	3	43
379	Screen-printed back-to-back electroanalytical sensors: heavy metal ion sensing. *Analyst, The*, **2015**, 140, 4130-6	5	42
378	3D spongy graphene-modified screen-printed sensors for the voltammetric determination of the narcotic drug codeine. *Biosensors and Bioelectronics*, **2018**, 101, 90-95	11.8	42
377	Polyaniline/polyacrylic acid/multi-walled carbon nanotube modified electrodes for sensing ascorbic acid. *Analytical Methods*, **2012**, 4, 118-124	3.2	42
376	Electroanalytical sensing of nitrite at shallow recessed screen printed microelectrode arrays. *Analytical Methods*, **2010**, 2, 851	3.2	42
375	Mesoporous-TiO2 nanoparticles based carbon paste electrodes exhibit enhanced electrochemical sensitivity for phenols. *Electrochemistry Communications*, **2009**, 11, 1990-1995	5.1	42
374	Flower-like agglomerates of hydroxyapatite crystals formed on an egg-shell membrane. *Colloids and Surfaces B: Biointerfaces*, **2011**, 82, 490-6	6	42
373	Sonoelectrochemistry in acoustically emulsified media. *Journal of Electroanalytical Chemistry*, **2002**, 535, 41-47	4.1	42
372	Electroanalytical properties of screen printed graphite microband electrodes. *Sensors and Actuators B: Chemical*, **2012**, 169, 136-143	8.5	41
371	Screen printed electrochemical platforms for pH sensing. *Analytical Methods*, **2009**, 1, 25-28	3.2	41
370	Understanding the Electrochemical Reactivity of Bamboo Multiwalled Carbon Nanotubes: the Presence of Oxygenated Species at Tube Ends May not Increase Electron Transfer Kinetics. *Electroanalysis*, **2006**, 18, 2137-2140	3	41
369	Additively manufactured graphitic electrochemical sensing platforms. *Chemical Engineering Journal* , **2020**, 381, 122343	14.7	41
368	Inexpensive and disposable copper mini-sensor modified with bismuth for lead and cadmium determination using square-wave anodic stripping voltammetry. *Analytical Methods*, **2013**, 5, 202-207	3.2	40
367	Schiff base modified screen printed electrode for selective determination of aluminium(III) at trace level. *Sensors and Actuators B: Chemical*, **2017**, 239, 17-27	8.5	40
366	Graphene oxide gives rise to unique and intriguing voltammetry. *RSC Advances*, **2012**, 2, 665-668	3.7	40
365	In situ bismuth film modified screen printed electrodes for the bio-monitoring of cadmium in oral (saliva) fluid. *Analytical Methods*, **2010**, 2, 645	3.2	40

364	Electrochemical Ammonia Gas Sensing in Nonaqueous Systems: A Comparison of Propylene Carbonate with Room Temperature Ionic Liquids. *Electroanalysis*, **2007**, 19, 2194-2201	3	40
363	Nano-electrochemical detection of hydrogen or protons using palladium nanoparticles: distinguishing surface and bulk hydrogen. *ChemPhysChem*, **2006**, 7, 1081-5	3.2	40
362	Molecularly imprinted polymer based electrochemical biosensors: Overcoming the challenges of detecting vital biomarkers and speeding up diagnosis. *Talanta Open*, **2020**, 2, 100018	5.6	40
361	Simultaneous determination of codeine and its co-formulated drugs acetaminophen and caffeine by utilising cerium oxide nanoparticles modified screen-printed electrodes. *Sensors and Actuators B: Chemical*, **2018**, 259, 142-154	8.5	39
360	Rapid and portable electrochemical quantification of phosphorus. *Analytical Chemistry*, **2015**, 87, 4269-74	7.8	38
359	Pencil drawn paper based supercapacitors. *RSC Advances*, **2016**, 6, 81130-81141	3.7	38
358	Pencil it in: pencil drawn electrochemical sensing platforms. *Analyst, The*, **2016**, 141, 4055-64	5	38
357	2D Hexagonal Boron Nitride (2D-hBN) Explored as a Potential Electrocatalyst for the Oxygen Reduction Reaction. *Electroanalysis*, **2017**, 29, 622-634	3	38
356	Facile and controllable synthesis of hydroxyapatite/graphene hybrid materials with enhanced sensing performance towards ammonia. *Analyst, The*, **2015**, 140, 5235-42	5	38
355	Electrochemistry of Q-graphene. *Nanoscale*, **2012**, 4, 6470-80	7.7	38
354	Sea cucumber-like hydroxyapatite: cation exchange membrane-assisted synthesis and its application in ultra-sensitive heavy metal detection. *Chemical Communications*, **2011**, 47, 4126-8	5.8	38
353	A Critical Review of the Electrocatalysis Reported at C60 Modified Electrodes. *Electroanalysis*, **2008**, 20, 1507-1512	3	38
352	Novel methods for the production of silver microelectrode-arrays: their characterisation by atomic force microscopy and application to the electro-reduction of halothane. *Analytical Sciences*, **2005**, 21, 667-71	1.7	38
351	Edge Plane Pyrolytic Graphite Electrodes for Stripping Voltammetry: a Comparison with Other Carbon Based Electrodes. *Electroanalysis*, **2005**, 17, 655-661	3	38
350	Calixarene bulk modified screen-printed electrodes (SPCCEs) as a one-shot disposable sensor for the simultaneous detection of lead(II), copper(II) and mercury(II) ions: Application to environmental samples. *Sensors and Actuators A: Physical*, **2017**, 267, 517-525	3.9	37
349	Forensic electrochemistry: simultaneous voltammetric detection of MDMA and its fatal counterpart Dr Death (PMA). *Analytical Methods*, **2016**, 8, 142-152	3.2	37
348	Forensic electrochemistry: sensing the molecule of murder atropine. *Analyst, The*, **2013**, 138, 1053-9	5	37
347	Exploring the electrical wiring of screen-printed configurations utilised in electroanalysis. *Analytical Methods*, **2015**, 7, 1208-1214	3.2	37

346	AFM studies of metal deposition: instantaneous nucleation and the growth of cobalt nanoparticles on boron-doped diamond electrodes. *ChemPhysChem*, **2006**, 7, 704-9	3.2	37
345	Electroanalytical detection of zinc in whole blood. *Analytica Chimica Acta*, **2004**, 510, 85-90	6.6	37
344	Highly Selective Sensing Platform Utilizing Graphene Oxide and Multiwalled Carbon Nanotubes for the Sensitive Determination of Tramadol in the Presence of Co-Formulated Drugs. *Electroanalysis*, **2017**, 29, 1038-1048	3	36
343	Room temperature ionic liquid assisted well-dispersed core-shell tin nanoparticles through cathodic corrosion. *RSC Advances*, **2013**, 3, 18791	3.7	36
342	Electroanalytical sensing of selenium(IV) utilising screen printed graphite macro electrodes. *Analytical Methods*, **2013**, 5, 851	3.2	36
341	Electroanalytical applications of screen printed microelectrode arrays. *Sensors and Actuators B: Chemical*, **2013**, 181, 454-462	8.5	36
340	Multi-walled carbon nanotube modified basal plane pyrolytic graphite electrodes: Exploring heterogeneity, electro-catalysis and highlighting batch to batch variation. *Journal of the Iranian Chemical Society*, **2008**, 5, 279-285	2	36
339	Oxygen reduction catalysis at anthraquinone centres molecularly wired via carbon nanotubes. *Journal of the Iranian Chemical Society*, **2005**, 2, 60-64	2	36
338	Mass-Producible 2D-MoS-Impregnated Screen-Printed Electrodes That Demonstrate Efficient Electrocatalysis toward the Oxygen Reduction Reaction. *ACS Applied Materials & Interfaces*, **2017**, 9, 22539-22548	9.5	35
337	Titanium nanoparticles (TiO)/graphene oxide nanosheets (GO): an electrochemical sensing platform for the sensitive and simultaneous determination of benzocaine in the presence of antipyrine. *Analyst, The*, **2017**, 142, 3674-3679	5	35
336	Platinum screen printed electrodes for the electroanalytical sensing of hydrazine and hydrogen peroxide. *Analytical Methods*, **2012**, 4, 1272	3.2	35
335	Ultrafast chronoamperometry of single impact events in acoustically agitated solid particulate suspensions. *ChemPhysChem*, **2006**, 7, 807-11	3.2	35
334	Cadmium detection via boron-doped diamond electrodes: surfactant inhibited stripping voltammetry. *Talanta*, **2004**, 62, 279-86	6.2	35
333	Mass-producible 2D-MoSe2 bulk modified screen-printed electrodes provide significant electrocatalytic performances towards the hydrogen evolution reaction. *Sustainable Energy and Fuels*, **2017**, 1, 74-83	5.8	34
332	An improved electrochemical creatinine detection method via a Jaffe-based procedure. *Analyst, The*, **2013**, 138, 6565-72	5	34
331	Recent development of LiNixCoyMnzO2: Impact of micro/nano structures for imparting improvements in lithium batteries. *Transactions of Nonferrous Metals Society of China*, **2013**, 23, 108-119	3.3	34
330	Sensitive determination of amlodipine besylate using bare/unmodified and DNA-modified screen-printed electrodes in tablets and biological fluids. *Sensors and Actuators B: Chemical*, **2017**, 239, 768-775	8.5	34
329	Graphite Screen-Printed Electrodes Applied for the Accurate and Reagentless Sensing of pH. *Analytical Chemistry*, **2015**, 87, 11666-72	7.8	34

328	Disposable Bismuth Oxide Screen Printed Electrodes for the Sensing of Zinc in Seawater. *Electroanalysis*, **2010**, 22, 1455-1459	3	34
327	The electrochemical oxidation of ammonia at boron-doped diamond electrodes exhibits analytically useful signals in aqueous solutions. *Analyst, The*, **2005**, 130, 1345-7	5	34
326	Electroanalytical detection of pindolol: comparison of unmodified and reduced graphene oxide modified screen-printed graphite electrodes. *Analyst, The*, **2015**, 140, 1543-50	5	33
325	Electrochemical measurement of the DNA bases adenine and guanine at surfactant-free graphene modified electrodes. *RSC Advances*, **2012**, 2, 5800	3.7	33
324	Why 'the bigger the better' is not always the case when utilising microelectrode arrays: high density vs. low density arrays for the electroanalytical sensing of chromium(VI). *Analyst, The*, **2009**, 134, 2301-5	5	33
323	Electrosynthesis of hydrogen peroxide via the reduction of oxygen assisted by power ultrasound. *Ultrasonics Sonochemistry*, **2007**, 14, 405-12	8.9	33
322	Ultrasound: promoting electroanalysis in difficult real world media. *Analyst, The*, **2004**, 129, 678-83	5	33
321	Non-linear optothermal properties of metal-free phthalocyanine. *Thin Solid Films*, **1999**, 350, 245-248	2.2	33
320	CVD graphene vs. highly ordered pyrolytic graphite for use in electroanalytical sensing. *Analyst, The* , **2012**, 137, 833-9	5	32
319	The Heterogeneity of Multiwalled and Single-Walled Carbon Nanotubes: Iron Oxide Impurities Can Catalyze the Electrochemical Oxidation of Glucose. *Electroanalysis*, **2009**, 21, 48-51	3	32
318	Manufacturing electrochemical platforms: Direct-write dispensing versus screen printing. *Electrochemistry Communications*, **2008**, 10, 1517-1519	5.1	32
317	Novel electrochemical synthesis of cellulose microfiber entrapped reduced graphene oxide: A sensitive electrochemical assay for detection of fenitrothion organophosphorus pesticide. *Talanta*, **2019**, 192, 471-477	6.2	32
316	Thermal Detection of Cardiac Biomarkers Heart-Fatty Acid Binding Protein and ST2 Using a Molecularly Imprinted Nanoparticle-Based Multiplex Sensor Platform. *ACS Sensors*, **2019**, 4, 2838-2845	9.2	31
315	Next-Generation Additive Manufacturing: Tailorable Graphene/Polylactic(acid) Filaments Allow the Fabrication of 3D Printable Porous Anodes for Utilisation within Lithium-Ion Batteries. *Batteries and Supercaps*, **2019**, 2, 448-453	5.6	31
314	The mechanistic exploration of porous activated graphene sheets-anchored SnO2 nanocrystals for application in high-performance Li-ion battery anodes. *Physical Chemistry Chemical Physics*, **2013**, 15, 15098-105	3.6	31
313	Screen printed recessed microelectrode arrays. *Sensors and Actuators B: Chemical*, **2009**, 142, 342-346	8.5	31
312	Nanodiamond based surface modified screen-printed electrodes for the simultaneous voltammetric determination of dopamine and uric acid. *Mikrochimica Acta*, **2019**, 186, 200	5.8	30
311	Metallic Free Carbon Nanotube Cluster Modified Screen Printed Electrodes for the Sensing of Nicotine in Artificial Saliva. *Electroanalysis*, **2009**, 21, 2387-2389	3	30

310	Direct oxidation of methionine at screen printed graphite macroelectrodes: Towards rapid sensing platforms. *Sensors and Actuators B: Chemical*, **2011**, 155, 831-836	8.5	30
309	Gas sensing using edge-plane pyrolytic-graphite electrodes: electrochemical reduction of chlorine. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 1169-74	4.4	30
308	Pencil It in: Exploring the Feasibility of Hand-Drawn Pencil Electrochemical Sensors and Their Direct Comparison to Screen-Printed Electrodes. *Biosensors*, **2016**, 6,	5.9	30
307	The development of carbon dots: From the perspective of materials chemistry. *Materials Today*, **2021**, 51, 188-188	21.8	30
306	Freestanding Three-Dimensional Graphene Macroporous Supercapacitor. *ACS Applied Energy Materials*, **2018**, 1, 891-899	6.1	29
305	Voltammetric behaviour of free DNA bases, methylcytosine and oligonucleotides at disposable screen printed graphite electrode platforms. *Analyst, The*, **2013**, 138, 5239-49	5	29
304	Exploring the origins of the apparent "electrocatalytic" oxidation of kojic acid at graphene modified electrodes. *Analyst, The*, **2013**, 138, 4436-42	5	29
303	A facile approach for quantifying the density of defects (edge plane sites) of carbon nanomaterials and related structures. *Physical Chemistry Chemical Physics*, **2011**, 13, 1210-3	3.6	29
302	Anodic Stripping Voltammetry: An AFM Study of Some Problems and Limitations. *Electroanalysis*, **2004**, 16, 345-354	3	29
301	Screen Printed Electrode Based Detection Systems for the Antibiotic Amoxicillin in Aqueous Samples Utilising Molecularly Imprinted Polymers as Synthetic Receptors. *Chemosensors*, **2020**, 8, 5	4	28
300	Electroanalytical sensing of the antimicrobial drug linezolid utilising an electrochemical sensing platform based upon a multiwalled carbon nanotubes/bromocresol green modified carbon paste electrode. *Analytical Methods*, **2016**, 8, 4345-4353	3.2	28
299	Screen-printed electrode-based electrochemical detector coupled with in-situ ionic-liquid-assisted dispersive liquid-liquid microextraction for determination of 2,4,6-trinitrotoluene. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 2197-204	4.4	27
298	Trace metal detection in Šibenik Bay, Croatia: Cadmium, lead and copper with anodic stripping voltammetry and manganese via sonoelectrochemistry. A case study. *Journal of the Iranian Chemical Society*, **2006**, 3, 128-139	2	27
297	Single step additive manufacturing (3D printing) of electrocatalytic anodes and cathodes for efficient water splitting. *Sustainable Energy and Fuels*, **2020**, 4, 302-311	5.8	27
296	Use of Screen-printed Electrodes Modified by Prussian Blue and Analogues in Sensing of Cysteine. *Electroanalysis*, **2018**, 30, 170-179	3	27
295	Molecular-Level CuS@S Hybrid Nanosheets Constructed by Mineral Chemistry for Energy Storage Systems. *ACS Applied Materials & Interfaces*, **2018**, 10, 43669-43681	9.5	27
294	Next-Generation Additive Manufacturing of Complete Standalone Sodium-Ion Energy Storage Architectures. *Advanced Energy Materials*, **2019**, 9, 1803019	21.8	26
293	Enhanced reversible redox activity of hemin on cellulose microfiber integrated reduced graphene oxide for HO biosensor applications. *Carbohydrate Polymers*, **2019**, 204, 152-160	10.3	26

292	Interpreting Electrochemistry **2014**, 23-77		26
291	Detection of theophylline utilising portable electrochemical sensors. *Analyst, The*, **2014**, 139, 2000-3	5	25
290	Exploring the electrochemical performance of graphitic paste electrodes: graphene vs. graphite. *Analyst, The*, **2013**, 138, 6354-64	5	25
289	Screen printed graphite electrochemical sensors for the voltammetric determination of antimony(III). *Analytical Methods*, **2013**, 5, 3490	3.2	25
288	Fabrication of co-planar screen printed microband electrodes. *Analyst, The*, **2013**, 138, 2516-21	5	25
287	Sulfite Determination at In Situ Plated Copper Modified Gold Ultramicroelectrode Arrays. *Electroanalysis*, **2006**, 18, 247-252	3	25
286	Electroanalysis of Bromate, Iodate and Chlorate at Tungsten Oxide Modified Platinum Microelectrode Arrays. *Electroanalysis*, **2006**, 18, 1672-1680	3	25
285	The ammonia-free partial reduction of substituted pyridinium salts. *Organic and Biomolecular Chemistry*, **2006**, 4, 1071-84	3.9	25
284	Graphite impurities cause the observed electrocatalysis seen at C60 modified glassy carbon electrodes in respect of the oxidation of l-cysteine. *Analytica Chimica Acta*, **2006**, 566, 1-4	6.6	25
283	Oxidation of anthracene on platinum macro- and micro-electrodes: Sonoelectrochemical, cryoelectrochemical and sonocryoelectrochemical studies. *Ultrasonics Sonochemistry*, **2006**, 13, 126-32	8.9	25
282	Introducing Thermal Wave Transport Analysis (TWTA): A Thermal Technique for Dopamine Detection by Screen-Printed Electrodes Functionalized with Molecularly Imprinted Polymer (MIP) Particles. *Molecules*, **2016**, 21,	4.8	25
281	Evaluating the temperature dependence of heat-transfer based detection: A case study with caffeine and Molecularly Imprinted Polymers as synthetic receptors. *Chemical Engineering Journal*, **2019**, 359, 505-517	14.7	25
280	A reduced graphene oxide-cyclodextrin-platinum nanocomposite modified screen printed electrode for the detection of cysteine. *Journal of Electroanalytical Chemistry*, **2018**, 829, 230-240	4.1	25
279	Novel electrochemical synthesis of copper oxide nanoparticles decorated graphene-cyclodextrin composite for trace-level detection of antibiotic drug metronidazole. *Journal of Colloid and Interface Science*, **2018**, 530, 37-45	9.3	25
278	Regal electrochemistry: sensing of the synthetic cathinone class of new psychoactive substances (NPSs). *Analytical Methods*, **2015**, 7, 6470-6474	3.2	24
277	Analytical monitoring of sodium borohydride. *Analytical Methods*, **2013**, 5, 829	3.2	24
276	Nickel oxide screen printed electrodes for the sensing of hydroxide ions in aqueous solutions. *Analytical Methods*, **2010**, 2, 1152	3.2	24
275	Exploration of Stable Sonoelectrocatalysis for the Electrochemical Reduction of Oxygen. *Electroanalysis*, **2005**, 17, 1025-1034	3	24

274	Novel synthesis of mesoporous hydroxyapatite using carbon nanorods as a hard-template. *Ceramics International*, **2017**, 43, 5412-5416	5.1	23
273	Label-Free Detection of Small Organic Molecules by Molecularly Imprinted Polymer Functionalized Thermocouples: Toward In Vivo Applications. *ACS Sensors*, **2017**, 2, 583-589	9.2	23
272	Forensic electrochemistry: indirect electrochemical sensing of the components of the new psychoactive substance "Synthacaine". *Analyst, The*, **2015**, 140, 5536-45	5	23
271	Differential pulse adsorptive stripping voltammetric determination of nanomolar levels of methotrexate utilizing bismuth film modified electrodes. *Sensors and Actuators B: Chemical*, **2013**, 188, 334-339	8.5	23
270	Screen-printed palladium electroanalytical sensors. *Journal of Solid State Electrochemistry*, **2013**, 17, 1553-1562	2.6	23
269	Flower-like hydroxyapatite modified carbon paste electrodes applicable for highly sensitive detection of heavy metal ions. *Journal of Materials Chemistry*, **2011**, 21, 7552		23
268	Gold ultra-microelectrode arrays: application to the steady-state voltammetry of hydroxide ion in aqueous solution. *Analytical Sciences*, **2006**, 22, 679-83	1.7	23
267	l-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. *Journal of Electroanalytical Chemistry*, **2016**, 780, 303-310	4.1	23
266	Surfactant exfoliated 2D hexagonal Boron Nitride (2D-hBN) explored as a potential electrochemical sensor for dopamine: surfactants significantly influence sensor capabilities. *Analyst, The*, **2017**, 142, 1756-1764	5	22
265	The latest developments in the analytical sensing of methane. *TrAC - Trends in Analytical Chemistry*, **2015**, 73, 146-157	14.6	22
264	An Overview of Recent Electroanalytical Applications Utilizing Screen-Printed Electrodes Within Flow Systems. *ChemElectroChem*, **2020**, 7, 2211-2221	4.3	22
263	Guilty by dissociation-development of gas chromatography-mass spectrometry (GC-MS) and other rapid screening methods for the analysis of 13 diphenidine-derived new psychoactive substances (NPSs). *Analytical and Bioanalytical Chemistry*, **2016**, 408, 8467-8481	4.4	22
262	Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. *Analytica Chimica Acta*, **2016**, 934, 1-8	6.6	22
261	Electroanalytical Performance of a Freestanding Three-Dimensional Graphene Foam Electrode. *Electroanalysis*, **2014**, 26, 93-102	3	22
260	Hydrodynamic electrochemistry: design for a high-speed rotating disk electrode. *Analytical Chemistry*, **2005**, 77, 1928-30	7.8	22
259	Electroreduction of N-methylphthalimide in room temperature ionic liquids under insonated and silent conditions. *Ultrasonics Sonochemistry*, **2005**, 12, 423-8	8.9	22
258	Defining the origins of electron transfer at screen-printed graphene-like and graphite electrodes: MoO2 nanowire fabrication on edge plane sites reveals electrochemical insights. *Nanoscale*, **2016**, 8, 15241-51	7.7	22
257	3D-printed Microfluidic Device Based on Cotton Threads for Amperometric Estimation of Antioxidants in Wine Samples. *Electroanalysis*, **2018**, 30, 101-108	3	22

256	An experimentalist's guide to electrosynthesis: the Shono oxidation. *Tetrahedron Letters*, **2015**, 56, 6863-6867	2	21
255	Carbon Nanodots as Electrocatalysts towards the Oxygen Reduction Reaction. *Electroanalysis*, **2018**, 30, 436-444	3	21
254	Investigating the Integrity of Graphene towards the Electrochemical Hydrogen Evolution Reaction (HER). *Scientific Reports*, **2019**, 9, 15961	4.9	21
253	Screen-printed back-to-back electroanalytical sensors. *Analyst, The*, **2014**, 139, 5339-49	5	21
252	Limitations of CVD graphene when utilised towards the sensing of heavy metals. *RSC Advances*, **2012**, 2, 5385	3.7	21
251	Conversion of egg-shell to hydroxyapatite for highly sensitive detection of endocrine disruptor bisphenol A. *Journal of Materials Chemistry*, **2011**, 21, 14428		21
250	On-site monitoring of trace levels of free manganese in sea water via sonoelectroanalysis using a boron-doped diamond electrode. *Analytica Chimica Acta*, **2005**, 533, 141-145	6.6	21
249	Edge Plane Pyrolytic Graphite Electrodes for Halide Detection in Aqueous Solutions. *Electroanalysis*, **2005**, 17, 1627-1634	3	21
248	Trace manganese detection via differential pulse cathodic stripping voltammetry using disposable electrodes: additively manufactured nanographite electrochemical sensing platforms. *Analyst, The*, **2020**, 145, 3424-3430	5	20
247	Large-scale production of CdO/Cd(OH) nanocomposites for non-enzyme sensing and supercapacitor applications.. *RSC Advances*, **2018**, 8, 921-930	3.7	20
246	Exploring the electrochemical performance of graphite and graphene paste electrodes composed of varying lateral flake sizes. *Physical Chemistry Chemical Physics*, **2018**, 20, 20010-20022	3.6	20
245	Metallic impurity free carbon nanotube paste electrodes. *Electrochemistry Communications*, **2010**, 12, 144-147	5.1	20
244	Graphite Micropowder Modified with 4-Amino-2,6-diphenylphenol Supported on Basal Plane Pyrolytic Graphite Electrodes: Micro Sensing Platforms for the Indirect Electrochemical Detection of Δ9-Tetrahydrocannabinol in Saliva. *Electroanalysis*, **2006**, 18, 1063-1067	3	20
243	The linear sweep voltammetry of random arrays of microdisc electrodes: Fitting of experimental data. *Journal of Electroanalytical Chemistry*, **2006**, 592, 126-130	4.1	20
242	Analytical determination of heroin, fentanyl and fentalogues using high-performance liquid chromatography with diode array and amperometric detection. *Analytical Methods*, **2019**, 11, 1053-1063	3.2	19
241	Forensic Electrochemistry: The Electroanalytical Sensing of Mephedrone Metabolites. *ACS Omega*, **2019**, 4, 1947-1954	3.9	19
240	Boron-doped diamond electrodes explored for the electroanalytical detection of 7-methylguanine and applied for its sensing within urine samples. *Electrochimica Acta*, **2016**, 197, 167-178	6.7	19
239	Can solvent induced surface modifications applied to screen-printed platforms enhance their electroanalytical performance?. *Analyst, The*, **2016**, 141, 2783-90	5	19

238	Mechanical, pH and Thermal Stability of Mesoporous Hydroxyapatite. *Journal of Inorganic and Organometallic Polymers and Materials*, **2018**, 28, 84-91	3.2	19
237	Back-to-Back Screen-Printed Electroanalytical Sensors: Extending the Potential Applications of the Simplistic Design. *Electroanalysis*, **2015**, 27, 2295-2301	3	19
236	Screen printed graphite macroelectrodes for the direct electron transfer of cytochrome c. *Analyst, The*, **2011**, 136, 2146-50	5	19
235	Disposable Bismuth Oxide Screen Printed Electrodes for the High Throughput Screening of Heavy Metals. *Electroanalysis*, **2009**, 21, NA-NA	3	19
234	Exploring Alkylated Ferrocene Sulfonates as Electrocatalysts for Sulfide Detection. *Electroanalysis*, **2007**, 19, 2518-2522	3	19
233	Indirect detection of substituted phenols and cannabis based on the electrochemical adaptation of the Gibbs reaction. *Analytical and Bioanalytical Chemistry*, **2005**, 383, 523-31	4.4	19
232	Polyphenol oxidase-based electrochemical biosensors: A review. *Analytica Chimica Acta*, **2020**, 1139, 198-221	6.6	19
231	Polymer electrolyte electrolysis: A review of the activity and stability of non-precious metal hydrogen evolution reaction and oxygen evolution reaction catalysts. *Renewable and Sustainable Energy Reviews*, **2021**, 139, 110709	16.2	19
230	Facile synthesis of cellulose microfibers supported palladium nanospindles on graphene oxide for selective detection of dopamine in pharmaceutical and biological samples. *Materials Science and Engineering C*, **2019**, 98, 256-265	8.3	19
229	Graphene Quantum Dots Modified Screen-printed Electrodes as Electroanalytical Sensing Platform for Diethylstilbestrol. *Electroanalysis*, **2019**, 31, 838-843	3	18
228	Gold nanoparticle ensembles allow mechanistic insights into electrochemical processes. *ChemPhysChem*, **2010**, 11, 875-9	3.2	18
227	Electrochemical Determination of the Serotonin Reuptake Inhibitor, Dapoxetine, Using Cesium-Gold Nanoparticles. *ACS Omega*, **2017**, 2, 6628-6635	3.9	17
226	Detection and quantification of new psychoactive substances (NPSs) within the evolved "legal high" product, NRG-2, using high performance liquid chromatography-amperometric detection (HPLC-AD). *Analyst, The*, **2015**, 140, 6283-94	5	17
225	Engineering molecularly imprinted polymers (MIPs) for the selective extraction and quantification of the novel psychoactive substance (NPS) methoxphenidine and its regioisomers. *Analyst, The*, **2018**, 143, 2002-2007	5	17
224	High temperature low vacuum synthesis of a freestanding three-dimensional graphene nano-ribbon foam electrode. *Journal of Materials Chemistry A*, **2016**, 4, 2617-2629	13	17
223	Electrochemically triggered graphene sheets through cathodic exfoliation for lithium ion batteries anodes. *RSC Advances*, **2013**, 3, 16130	3.7	17
222	Metallic Impurities in Graphene Screen-Printed Electrodes Can Influence Their Electrochemical Properties. *Electroanalysis*, **2014**, 26, 2429-2433	3	17
221	Disposable manganese oxide screen printed electrodes for electroanalytical sensing. *Analytical Methods*, **2011**, 3, 105-109	3.2	17

220	NiFe (Oxy)hydroxide Modified Graphene Additive Manufactured (3D-Printed) Electrochemical Platforms as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. *ChemElectroChem*, **2019**, 6, 5633-5641	4.3	17
219	A simple and fast-portable method for the screening of the appetite-suppressant drug sibutramine in natural products and multivitamins supplements. *Sensors and Actuators B: Chemical*, **2019**, 282, 449-456	8.5	17
218	Magnetron Sputter-Coated Nanoparticle MoS Supported on Nanocarbon: A Highly Efficient Electrocatalyst toward the Hydrogen Evolution Reaction. *ACS Omega*, **2018**, 3, 7235-7242	3.9	17
217	Electrochemical determination of antihypertensive drugs by employing costless and portable unmodified screen-printed electrodes. *Talanta*, **2019**, 198, 447-456	6.2	16
216	One-pot synthesis of Mn3O4/graphitic carbon nanoparticles for simultaneous nanomolar detection of Pb(II), Cd(II) and Hg(II). *Journal of Materials Science*, **2018**, 53, 4961-4973	4.3	16
215	Electrochemical utilisation of chemical vapour deposition grown carbon nanotubes as sensors. *Vacuum*, **2012**, 86, 507-519	3.7	16
214	Methane emission management in a dual-fuel engine exhaust using Pd and Ni hydroxyapatite catalysts. *Fuel*, **2017**, 208, 314-320	7.1	16
213	Surfactant-exfoliated 2D molybdenum disulphide (2D-MoS2): the role of surfactant upon the hydrogen evolution reaction. *RSC Advances*, **2017**, 7, 36208-36213	3.7	16
212	Electrode substrate innovation for electrochemical detection in microchip electrophoresis. *Electrophoresis*, **2015**, 36, 1845-53	3.6	16
211	Screen printed electrodes provide micro-domain sites for fabricating disposable electro-catalytic ensembles. *Electrochemistry Communications*, **2010**, 12, 406-409	5.1	16
210	A systematic study of the electrochemical determination of hydrogen peroxide at single-walled carbon nanotube ensemble networks. *Electrochemistry Communications*, **2008**, 10, 1872-1875	5.1	16
209	Electroanalytical Sensing of Green Tea Anticarcinogenic Catechin Compounds: Epigallocatechin Gallate and Epigallocatechin. *Electroanalysis*, **2006**, 18, 849-853	3	16
208	Computational electrochemistry: finite element simulation of a disk electrode with ultrasonic acoustic streaming. *Journal of Physical Chemistry B*, **2005**, 109, 7843-9	3.4	16
207	Nanomodified Screen-Printed Electrode for direct determination of Aflatoxin B1 in malted barley samples. *Sensors and Actuators B: Chemical*, **2020**, 307, 127547	8.5	16
206	Electrochemistry provides a point-of-care approach for the marker indicative of Pseudomonas aeruginosa infection of cystic fibrosis patients. *Analyst, The*, **2014**, 139, 3999-4004	5	15
205	Simultaneous determination of hydrazine and phenyl hydrazine using 4?-(4-carboxyphenyl)-2,2?:6?,2? terpyridine diacetonitrile triphenylphosphine ruthenium(II) tetrafluoroborate complex functionalized multiwalled carbon nanotubes modified electrode. *Materials Research Bulletin*, **2014**, 60, 166-173	5.1	15
204	Identification of microbial volatile organic compounds (MVOCs) emitted from fungal isolates found on cinematographic film. *Analytical Methods*, **2012**, 4, 1265	3.2	15
203	Exploring the electrochemical behavior of screen printed graphite electrodes in a room temperature ionic liquid. *RSC Advances*, **2012**, 2, 7735	3.7	15

202	Electroanalytical properties of screen printed shallow recessed electrodes. *Analytical Methods*, **2012**, 4, 3140	3.2	15
201	The underlying electrode causes the reported "electro-catalysis" observed at C60-modified glassy carbon electrodes in the case of N-(4-hydroxyphenyl)ethanamide and salbutamol. *Electrochimica Acta*, **2008**, 53, 5885-5890	6.7	15
200	The Direct Electrochemical Oxidation of Ammonia in Propylene Carbonate: A Generic Approach to Amperometric Gas Sensors. *Electroanalysis*, **2006**, 18, 449-455	3	15
199	Exploration of gas sensing possibilities with edge plane pyrolytic graphite electrodes: nitrogen dioxide detection. *Analyst, The*, **2005**, 130, 280-2	5	15
198	Platinum nanoparticle decorated vertically aligned graphene screen-printed electrodes: electrochemical characterisation and exploration towards the hydrogen evolution reaction. *Nanoscale*, **2020**, 12, 18214-18224	7.7	15
197	Indirect electroanalytical detection of phenols. *Analyst, The*, **2015**, 140, 3244-50	5	14
196	Green electrochemical sensing platforms: utilizing hydroxyapatite derived from natural fish scales as a novel electrochemical material for the sensitive detection of kidney injury molecule 1 (KIM-1). *Analyst, The*, **2014**, 139, 5362-6	5	14
195	Voltammetric Behaviour of 7-Methylguanine Using Screen-printed Graphite Electrodes: towards a Guanine Methylation Electrochemical Sensor. *Electroanalysis*, **2015**, 27, 2766-2772	3	14
194	Spice up your life: screening the illegal components of "spice" herbal products. *Analytical Methods*, **2010**, 2, 614	3.2	14
193	Synthesis and characterisation of water soluble ferrocenes: Molecular tuning of redox potentials. *Journal of Organometallic Chemistry*, **2007**, 692, 5173-5182	2.3	14
192	Surfactant-free emulsion electrosynthesis via power ultrasound: electrocatalytic formation of carbon–carbon bonds. *Green Chemistry*, **2002**, 4, 570-577	10	14
191	Structure and morphology of phthalocyanine films grown in electrical fields by vapor deposition. *Journal of Crystal Growth*, **2000**, 211, 308-312	1.6	14
190	MoS2-graphene-CuNi2S4 nanocomposite an efficient electrocatalyst for the hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2019**, 44, 16069-16078	6.7	13
189	Graphene Oxide Bulk-Modified Screen-Printed Electrodes Provide Beneficial Electroanalytical Sensing Capabilities. *Biosensors*, **2020**, 10,	5.9	13
188	A screen-printed electrochemical sensing platform surface modified with nanostructured ytterbium oxide nanoplates facilitating the electroanalytical sensing of the analgesic drugs acetaminophen and tramadol. *Mikrochimica Acta*, **2020**, 187, 126	5.8	13
187	Screen-printed graphite macroelectrodes for the direct electron transfer of cytochrome c: a deeper study of the effect of pH on the conformational states, immobilization and peroxidase activity. *Analyst, The*, **2014**, 139, 1442-8	5	13
186	Graphene electroanalysis: inhibitory effects in the stripping voltammetry of cadmium with surfactant free graphene. *Analyst, The*, **2012**, 137, 420-3	5	13
185	Amperometric detection of glucose using self-catalytic carbon paste electrodes. *Analyst, The*, **2004**, 129, 428-31	5	13

184	The search for stable and efficient sonoelectrocatalysts for oxygen reduction and hydrogen peroxide formation: azobenzene and derivatives. *Physical Chemistry Chemical Physics*, **2004**, 6, 4034-4041	3.6	13
183	Portable electrochemical system using screen-printed electrodes for monitoring corrosion inhibitors. *Talanta*, **2017**, 174, 420-427	6.2	12
182	Disposable screen-printed electrodes modified with uniform iron oxide nanocubes for the simple electrochemical determination of meclizine, an antihistamine drug. *Analytical Methods*, **2019**, 11, 282-287	3.2	12
181	Highly sensitive and selective determination of dopamine using screen-printed electrodes modified with nanocomposite of N?-phenyl-p-phenylenediamine/multiwalled carbon nanotubes/nafion. *Materials Research Bulletin*, **2018**, 101, 253-263	5.1	12
180	addition of graphitic carbon into a NiCoO/CoO composite: enhanced catalysis toward the oxygen evolution reaction.. *RSC Advances*, **2019**, 9, 24995-25002	3.7	12
179	An anthraquinone moiety/cysteamine functionalized-gold nanoparticle/chitosan based nanostructured composite for the electroanalytical detection of dissolved oxygen within aqueous media. *Analytical Methods*, **2014**, 6, 8793-8801	3.2	12
178	Nitrogen doped nanoporous graphene: an efficient metal-free electrocatalyst for the oxygen reduction reaction. *RSC Advances*, **2017**, 7, 55555-55566	3.7	12
177	Screen-Printed Graphite Electrodes as Low-Cost Devices for Oxygen Gas Detection in Room-Temperature Ionic Liquids. *Sensors*, **2017**, 17,	3.8	12
176	"Cosmetic electrochemistry": the facile production of graphite microelectrode ensembles. *Physical Chemistry Chemical Physics*, **2010**, 12, 2285-7	3.6	12
175	Misinterpretations of the electro-catalysis observed at C60 modified glassy carbon electrodes for the determination of Atenolol. *Electrochemistry Communications*, **2008**, 10, 1633-1635	5.1	12
174	Electrochemical Response of Cobalt(II) in the Presence of Ammonia. *Electroanalysis*, **2006**, 18, 44-52	3	12
173	Screen Printed Electrodes and Screen Printed Modified Electrodes Benefit from Insonation. *Electroanalysis*, **2006**, 18, 928-930	3	12
172	Liquid□liquid processes and kinetics in acoustically emulsified media. *Physical Chemistry Chemical Physics*, **2003**, 5, 1652-1656	3.6	12
171	Metabolism Mimicry: An Electrosynthetic Method for the Selective Deethylation of Tertiary Benzamides. *ChemElectroChem*, **2019**, 6, 4284-4291	4.3	12
170	A low cost, versatile and chromatographic device for microfluidic amperometric analyses. *Sensors and Actuators B: Chemical*, **2020**, 304, 127117	8.5	12
169	Electroanalytical overview: utilising micro- and nano-dimensional sized materials in electrochemical-based biosensing platforms. *Mikrochimica Acta*, **2021**, 188, 268	5.8	12
168	Additive manufacturing for electrochemical labs: An overview and tutorial note on the production of cells, electrodes and accessories. *Talanta Open*, **2021**, 4, 100051	5.6	12
167	Voltammetric determination of meclizine antihistamine drug utilizing graphite screen-printed electrodes in physiological medium. *Journal of Electroanalytical Chemistry*, **2018**, 824, 39-44	4.1	11

166	A voltammetric method for Fe(iii) in blood serum using a screen-printed electrode modified with a Schiff base ionophore. *Analyst, The*, **2018**, 143, 2851-2861	5	11
165	Incorporation of Tetrazolium Blue (TB)/Gold Nanoparticles (GNPs) into Carbon Paste Electrode: Application as an Electrochemical Sensor for the Sensitive and Selective Determination of Sotalol in Micellar Medium. *Electroanalysis*, **2017**, 29, 2551-2558	3	11
164	Design of screen-printed bulk modified electrodes using anthraquinone–cysteamine functionalized gold nanoparticles and their application to the detection of dissolved oxygen. *Analytical Methods*, **2015**, 7, 2020-2027	3.2	11
163	Crime scene investigation III: Exploring the effects of drugs of abuse and neurotransmitters on Bloodstain Pattern Analysis. *Analytical Methods*, **2012**, 4, 721	3.2	11
162	At point of use sono-electrochemical generation of hydrogen peroxide for chemical synthesis: the green oxidation of benzonitrile to benzamide. *Ultrasonics Sonochemistry*, **2007**, 14, 113-6	8.9	11
161	Chloride Determination in Ionic Liquids. *ACS Symposium Series*, **2005**, 244-258	0.4	11
160	Toward the Rapid Diagnosis of Sepsis: Detecting Interleukin-6 in Blood Plasma Using Functionalized Screen-Printed Electrodes with a Thermal Detection Methodology. *Analytical Chemistry*, **2021**, 93, 5931-5938	7.8	11
159	Thermal decomposition kinetics of the antiparkinson drug entacapone under isothermal and non-isothermal conditions. *Journal of Thermal Analysis and Calorimetry*, **2017**, 130, 2359-2367	4.1	10
158	Exploring the reactivity of distinct electron transfer sites at CVD grown monolayer graphene through the selective electrodeposition of MoO nanowires. *Scientific Reports*, **2019**, 9, 12814	4.9	10
157	The preparation of hydroxyapatite from unrefined calcite residues and its application for lead removal from aqueous solutions.. *RSC Advances*, **2019**, 9, 4054-4062	3.7	10
156	An innovative electrochemical platform for the sensitive determination of the hepatitis B inhibitor Entecavir with ionic liquid as a mediator. *Journal of Molecular Liquids*, **2020**, 302, 112498	6	10
155	Exploring the applicability of equine blood to bloodstain pattern analysis. *Medicine, Science and the Law*, **2016**, 56, 190-9	1.1	10
154	Utilising copper screen-printed electrodes (CuSPE) for the electroanalytical sensing of sulfide. *Analyst, The*, **2016**, 141, 1233-8	5	10
153	Amino-thiacalix[4]arene modified screen-printed electrodes as a novel electrochemical interface for Hg(II) quantification at a pico-molar level. *Analytical Methods*, **2017**, 9, 6747-6753	3.2	10
152	An overview of quantifying and screening drugs of abuse in biological samples: Past and present. *Analytical Methods*, **2011**, 3, 1227	3.2	10
151	Electrochemistry Inside Microdroplets of Kerosene: Electroanalysis of (Methylcyclopentadienyl) Manganese(I) Tricarbonyl(I). *Electroanalysis*, **2006**, 18, 621-626	3	10
150	Tagging of Model Amphetamines with Sodium 1,2-Naphthoquinone-4-sulfonate: Application to the Indirect Electrochemical Detection of Amphetamines in Oral (Saliva) Fluid. *Electroanalysis*, **2006**, 18, 1833-1837	3	10
149	Sonoelectroanalysis in Acoustically Emulsified Media: Zinc and Cadmium. *Electroanalysis*, **2004**, 16, 852-859	3	10

148	The effects of blood conditioning films on the antimicrobial and retention properties of zirconium-nitride silver surfaces. *Colloids and Surfaces B: Biointerfaces*, **2019**, 173, 303-311	6	10
147	Facile synthesis of Ni/NiO nanocomposites: the effect of Ni content in NiO upon the oxygen evolution reaction within alkaline media.. *RSC Advances*, **2021**, 11, 14654-14664	3.7	10
146	Disposable screen printed electrode modified with imine receptor having a wedge bridge for selective detection of Fe (II) in aqueous medium. *Sensors and Actuators B: Chemical*, **2017**, 249, 467-477	8.5	9
145	Quick Test for Determination of N-Bombs (Phenethylamine Derivatives, NBOMe) Using High-Performance Liquid Chromatography: A Comparison between Photodiode Array and Amperometric Detection. *ACS Omega*, **2019**, 4, 14439-14450	3.9	9
144	Effects of surfactant on morphology, chemical properties and catalytic activity of hydroxyapatite. *Journal of Solid State Chemistry*, **2019**, 276, 345-351	3.3	9
143	Nonenzymatic sensor for determination of glucose in blood plasma based on nickel oxyhydroxide in a microfluidic system of cotton thread. *Journal of Electroanalytical Chemistry*, **2019**, 840, 153-159	4.1	9
142	Antimicrobial activity of Ti-ZrN/Ag coatings for use in biomaterial applications. *Scientific Reports*, **2018**, 8, 1497	4.9	9
141	Transition Metal Oxides as Supercapacitor Materials. *Nanostructure Science and Technology*, **2016**, 317-344	4.9	9
140	Single and combined antimicrobial efficacies for nine metal ion solutions against Klebsiella pneumoniae, Acinetobacter baumannii and Enterococcus faecium. *International Biodeterioration and Biodegradation*, **2019**, 141, 39-43	4.8	9
139	Development of a carbon nanotube paste electrode modified with zinc phosphate for captopril determination in pharmaceutical and biological samples. *Analytical Methods*, **2014**, 6, 1324	3.2	9
138	Preliminary study on the effect of heated surfaces upon bloodstain pattern analysis. *Journal of Forensic Sciences*, **2013**, 58, 1289-96	1.8	9
137	Crime scene investigation: The effect of drug contaminated bloodstains on bloodstain pattern analysis. *Analytical Methods*, **2010**, 2, 1885	3.2	9
136	Electrolytically fabricated microrods on screen printed graphite electrodes: Electro-catalyticoxidation of alcohols. *Analytical Methods*, **2011**, 3, 74-77	3.2	9
135	Multiwalled Carbon Nanotubes Resist Intercalation Whereas Pyrolytic Graphite Can Exfoliate in Propylene Carbonate: Electroanalysis Without the Deleterious Effects of Intercalation for the Detection of Ammonia. *Electroanalysis*, **2006**, 18, 2141-2147	3	9
134	Abrasively modified electrodes: mathematical modelling and numerical simulation of electrochemical dissolution/growth processes under cyclic voltammetric conditions. *Journal of Solid State Electrochemistry*, **2006**, 10, 857-864	2.6	9
133	Effect of Cu(II) on the electrochemically initiated reaction of thiols with N, N-diethyl-p-phenylenediamine: methodology for the indirect voltammetric determination of Cu(II). *Analytical and Bioanalytical Chemistry*, **2004**, 379, 707-13	4.4	9
132	Ultrasonically induced phthalocyanine degradation: decolouration vs. metal release. *Ultrasonics Sonochemistry*, **2004**, 11, 327-31	8.9	9
131	Twittering About Research: A Case Study of the World's First Twitter Poster Competition. *F1000Research*, **2015**, 4, 798	3.6	9

130	Functionalized Co3O4 graphitic nanoparticles: A high performance electrocatalyst for the oxygen evolution reaction. *International Journal of Hydrogen Energy*, **2020**, 45, 31380-31388	6.7	9
129	Label-free aptasensor for p24-HIV protein detection based on graphene quantum dots as an electrochemical signal amplifier. *Analytica Chimica Acta*, **2021**, 1166, 338548	6.6	9
128	Immobilization of Molecularly Imprinted Polymer Nanoparticles onto Surfaces Using Different Strategies: Evaluating the Influence of the Functionalized Interface on the Performance of a Thermal Assay for the Detection of the Cardiac Biomarker Troponin I. *ACS Applied Materials & Interfaces*, **2021**, 13, 27868-27879	9.5	9
127	High Yield Synthesis of Hydroxyapatite (HAP) and Palladium Doped HAP via a Wet Chemical Synthetic Route. *Catalysts*, **2016**, 6, 119	4	9
126	Recent advances in 2D hexagonal boron nitride (2D-hBN) applied as the basis of electrochemical sensing platforms. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 663-672	4.4	9
125	Electrochemical Portable Method for on site Screening of Scopolamine in Beverage and Urine Samples. *Electroanalysis*, **2018**, 31, 567	3	9
124	Electroanalytical Overview: Electrochemical Sensing Platforms for Food and Drink Safety. *Biosensors*, **2021**, 11,	5.9	9
123	Electrospun Nylon Fibers with Integrated Polypyrrole Molecularly Imprinted Polymers for the Detection of Glucose. *Analytical Chemistry*, **2021**, 93, 13235-13241	7.8	9
122	Sodium-Ion Batteries: Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-Ion Batteries with Ultralong Cycle Life (Adv. Mater. 47/2015). *Advanced Materials*, **2015**, 27, 7895-7895	24	8
121	Conversion of natural egg-shell to 3D flower-like hydroxyapatite agglomerates for highly sensitive detection of As3 + ions. *Materials Letters*, **2012**, 78, 120-123	3.3	8
120	Solid carbon nanorod whiskers: application to the electrochemical sensing of biologically relevant molecules. *RSC Advances*, **2011**, 1, 93	3.7	8
119	High throughput screening of lead utilising disposable screen printed shallow recessed microelectrode arrays. *Analyst, The*, **2010**, 135, 76-9	5	8
118	Acoustically fabricated random microelectrode assemblies. *Ultrasonics Sonochemistry*, **2006**, 13, 261-70	8.9	8
117	Sonoelectrochemistry in Acoustically Emulsified Media: The Detection of Lead. *Electroanalysis*, **2003**, 15, 1661-1666	3	8
116	Cryoelectrochemistry: electrochemical reduction of 2(RS)-methyl 1-(tert-butoxycarbonyl)-2-iodomethyl-2,5-dihydropyrrole-2-carboxylate. *Tetrahedron*, **2005**, 61, 2365-2372	2.4	8
115	Electroanalytical overview: the pungency of chile and chilli products determined the sensing of capsaicinoids. *Analyst, The*, **2021**, 146, 2769-2783	5	8
114	Ball mill and microwave assisted synthetic routes to Fluoxetine. *Sustainable Chemistry and Pharmacy*, **2017**, 5, 14-21	3.9	7
113	Mass-producible 2D-WS bulk modified screen printed electrodes towards the hydrogen evolution reaction.. *RSC Advances*, **2019**, 9, 25003-25011	3.7	7

112	Versatile additively manufactured (3D printed) wall-jet flow cell for high performance liquid chromatography-amperometric analysis: application to the detection and quantification of new psychoactive substances (NBOMes). *Analytical Methods*, **2020**, 12, 2152-2165	3.2	7
111	Thermistors coated with molecularly imprinted nanoparticles for the electrical detection of peptides and proteins. *Analyst, The*, **2020**, 145, 5419-5424	5	7
110	Heat-Transfer Method: A Thermal Analysis Technique for the Real-Time Monitoring of Growth in Buffered Solutions and Digestate Samples.. *ACS Applied Bio Materials*, **2019**, 2, 3790-3798	4.1	7
109	Investigating the Integrity of Graphene towards the Electrochemical Oxygen Evolution Reaction. *ChemElectroChem*, **2019**, 6, 5446-5453	4.3	7
108	Antibody-modified hydroxyapatite surfaces for the efficient capture of bladder cancer cells in a patient's urine without recourse to any sample pre-treatment. *Journal of Materials Chemistry B*, **2017**, 5, 8125-8132	7.3	7
107	Determination of tadalafil in pharmaceutical samples by vertically oriented multi-walled carbon nanotube electrochemical sensing device. *Journal of Electroanalytical Chemistry*, **2020**, 877, 114501	4.1	7
106	MoO2 Nanowire Electrochemically Decorated Graphene Additively Manufactured Supercapacitor Platforms. *Advanced Energy Materials*, **2021**, 11, 2100433	21.8	7
105	Approaches to the Rational Design of Molecularly Imprinted Polymers Developed for the Selective Extraction or Detection of Antibiotics in Environmental and Food Samples. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2100021	1.6	7
104	The Mediatorless Electroanalytical Sensing of Sulfide Utilizing Unmodified Graphitic Electrode Materials. *Journal of Carbon Research*, **2016**, 2, 14	3.3	7
103	Electrochemically Reduced Graphene Oxide as Screen-printed Electrode Modifier for Fenamiphos Determination. *Electroanalysis*, **2020**, 32, 1689-1695	3	7
102	Disposable non-enzymatic electrochemical glucose sensors based on screen-printed graphite macroelectrodes modified via a facile methodology with Ni, Cu, and Ni/Cu hydroxides are shown to accurately determine glucose in real human serum blood samples. *Analytical Methods*, **2021**, 13, 2812-2822	3.2	7
101	Electrochemical Improvements Can Be Realized via Shortening the Length of Screen-Printed Electrochemical Platforms. *Analytical Chemistry*, **2021**,	7.8	7
100	New electrochemical approach for the measurement of oxidative DNA damage: Voltammetric determination of 8-oxoguanine at screen-printed graphite electrodes. *Sensors and Actuators B: Chemical*, **2017**, 247, 896-902	8.5	6
99	The influence of lateral flake size in graphene/graphite paste electrodes: an electroanalytical investigation. *Analytical Methods*, **2020**, 12, 2133-2142	3.2	6
98	Fast Determination of Antioxidant Capacity of Food Samples Using Continuous Amperometric Detection on Polyester Screen-printed Graphitic Electrodes. *Electroanalysis*, **2018**, 30, 1192-1197	3	6
97	Screen-Printing Electrochemical Architectures. *SpringerBriefs in Applied Sciences and Technology*, **2016**,	0.4	6
96	Can Ultrasound or pH Influence Pd Distribution on the Surface of HAP to Improve Its Catalytic Properties in the Dry Reforming of Methane?. *Catalysis Letters*, **2017**, 147, 2200-2208	2.8	6
95	Development of a novel analytical approach combining the quantification of amino acids, organic acids and glucose using HPLC-UV-Vis and HPLC-MS with screening viaNMR. *Analytical Methods*, **2012**, 4, 284-290	3.2	6

94	Ultra Flexible Paper Based Electrochemical Sensors: Effect of Mechanical Contortion upon Electrochemical Performance. *Electroanalysis*, **2013**, 25, n/a-n/a	3	6
93	Cosmetic Electrochemistry II: Rapid and Facile Production of Metallic Electrocatalytic Ensembles. *Electroanalysis*, **2010**, 22, 1831-1836	3	6
92	An Electrochemical Study of Immobilized Ruthenocene in Aqueous Media. *Electroanalysis*, **2007**, 19, 555-560	3	6
91	The Electrochemistry of Tetraphenyl Porphyrin Iron(III) Within Immobilized Droplets Supported on Platinum Electrodes. *Electroanalysis*, **2006**, 18, 649-654	3	6
90	Sonovoltammetric Elucidation of Electron Transfer Rates: The Oxidation of Dimethyl-p-phenylenediamine in Aqueous Solution. *Electroanalysis*, **2003**, 15, 243-248	3	6
89	2D MATERIALS		6
88	Fundamentals of Screen-Printing Electrochemical Architectures. *SpringerBriefs in Applied Sciences and Technology*, **2016**, 13-23	0.4	6
87	Tailoring the electrochemical properties of 2D-hBN via physical linear defects: physicochemical, computational and electrochemical characterisation. *Nanoscale Advances*, **2020**, 2, 264-273	5.1	6
86	Electrochemical properties of vertically aligned graphenes: tailoring heterogeneous electron transfer through manipulation of the carbon microstructure. *Nanoscale Advances*, **2020**, 2, 5319-5328	5.1	6
85	A facile electrochemical intercalation and microwave assisted exfoliation methodology applied to screen-printed electrochemical-based sensing platforms to impart improved electroanalytical outputs. *Analyst, The*, **2018**, 143, 3360-3365	5	6
84	Multi-dimensional hydroxyapatite (HAp) nanocluster architectures fabricated via Nafion-assisted biomineralization. *New Journal of Chemistry*, **2015**, 39, 750-754	3.6	5
83	Development of a Flexible MIP-Based Biosensor Platform for the Thermal Detection of Neurotransmitters. *MRS Advances*, **2018**, 3, 1569-1574	0.7	5
82	An Introduction to Forensic Electrochemistry **2016**, 89-102		5
81	Evaluating the potential of thermal read-out techniques combined with molecularly imprinted polymers for the sensing of low-weight organic molecules. *Journal of Molecular Recognition*, **2017**, 30, e2563	2.6	5
80	Exploring the effect of specific packed cell volume upon bloodstain pattern analysis: blood drying and dry volume estimation. *Journal of the Canadian Society of Forensic Science*, **2015**, 48, 167-189	0.5	5
79	Quantification of corrosion inhibitors used in the water industry for steam condensate treatment: the indirect electroanalytical sensing of morpholine and cyclohexylamine. *Environmental Science: Water Research and Technology*, **2015**, 1, 40-46	4.2	5
78	Cubic Copper Hexacyanoferrates Nanoparticles: Facile Template-Free Deposition and Electrocatalytic Sensing Towards Hydrazine. *International Journal of Electrochemistry*, **2011**, 2011, 1-5	2.4	5
77	Electroanalytical Determination of Zinc in Human Blood Facilitated by Acoustically Assisted Double Extraction. *Electroanalysis*, **2004**, 16, 596-598	3	5

76	Electroanalytical overview: the electroanalytical sensing of hydrazine. *Sensors & Diagnostics*,		5
75	Metal ions and graphene-based compounds as alternative treatment options for burn wounds infected by antibiotic-resistant Pseudomonas aeruginosa. *Archives of Microbiology*, **2020**, 202, 995-1004	3	5
74	Molybdenum Disulfide Surfaces to Reduce and Biofilm Formation. *ACS Applied Materials & Interfaces*, **2020**, 12, 21057-21069	9.5	5
73	All-in-One Single-Print Additively Manufactured Electroanalytical Sensing Platforms. *ACS Measurement Science Au*,		5
72	Reprint of: l-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. *Journal of Electroanalytical Chemistry*, **2017**, 793, 77-84	4.1	4
71	Pseudo Cavity of Schiff Base Ionophore Incorporated in Screen Printed Electrode for Sensing of Zn (II). *Journal of the Electrochemical Society*, **2019**, 166, B464-B471	3.9	4
70	A fluorescence-quenching platform based on biomineralized hydroxyapatite from natural seashell and applied to cancer cell detection. *Scientific Reports*, **2014**, 4, 7556	4.9	4
69	Influence of the metal/metal oxide redox cycle on the catalytic activity of methane oxidation over Pd and Ni doped hydroxyapatite. *Catalysis Communications*, **2018**, 107, 82-86	3.2	4
68	Bloodstain pattern analysis: looking at impacting blood from a different angle. *Australian Journal of Forensic Sciences*, **2013**, 45, 85-102	1.1	4
67	Acid-free co-operative self-assembly of graphene-ZnO nanocomposites and its defect mediated visible light photocatalytic activities. *Physica B: Condensed Matter*, **2017**, 506, 32-41	2.8	4
66	Crime scene investigation II: The effect of warfarin on bloodstain pattern analysis. *Analytical Methods*, **2011**, 3, 1521	3.2	4
65	Electrocatalysis at Graphite and Carbon Nanotube Modified Electrodes: Edge-Plane Sites and Tube Ends Are the Reactive Sites. *ChemInform*, **2005**, 36, no		4
64	Twittering About Research: A Case Study of the World's First Twitter Poster Competition. *F1000Research*,4, 798	3.6	4
63	Voltammetric Behaviour of Drug Molecules as a Predictor of Metabolic Liabilities. *Scientia Pharmaceutica*, **2020**, 88, 46	4.3	4
62	COVID-19: additive manufacturing response in the UK. *Journal of 3D Printing in Medicine*, **2020**, 4, 167-174	1.5	4
61	Enhancing the efficiency of the hydrogen evolution reaction utilising FeP bulk modified screen-printed electrodes the application of a magnetic field.. *RSC Advances*, **2021**, 11, 8073-8079	3.7	4
60	Additive manufactured graphene-based electrodes exhibit beneficial performances in Pseudomonas aeruginosa microbial fuel cells. *Journal of Power Sources*, **2021**, 499, 229938	8.9	4
59	Electropolymerised molecularly imprinted polymers for the heat-transfer based detection of microorganisms: A proof-of-concept study using yeast. *Thermal Science and Engineering Progress*, **2021**, 24, 100956	3.6	4

58	Molecularly Imprinted Polymer Nanoparticles Enable Rapid, Reliable, and Robust Point-of-Care Thermal Detection of SARS-CoV-2.. *ACS Sensors*, **2022**,	9.2	4
57	Graphene and Graphene Oxide for Energy Storage **2017**, 725-744		3
56	Electrochemical Decoration of Additively Manufactured Graphene Macroelectrodes with MoO2 Nanowires: An Approach to Demonstrate the Surface Morphology. *Journal of Physical Chemistry C*, **2020**, 124, 15377-15385	3.8	3
55	Three-dimensional (3D) scanning and additive manufacturing (AM) allows the fabrication of customised crutch grips. *Materials Today Communications*, **2020**, 25, 101225	2.5	3
54	Graphene Encapsulated Silicon Carbide Nanocomposites for High and Low Power Energy Storage Applications. *Journal of Carbon Research*, **2017**, 3, 20	3.3	3
53	Graphene Applications **2014**, 127-174		3
52	Electrochemical Devices for Monitoring Biomarkers in Embryo Development. *Electrochimica Acta*, **2014**, 140, 42-48	6.7	3
51	Graphene for Energy Production and Storage Applications **2013**, 133-170		3
50	A Facile and Cost-effective Electroanalytical Strategy for the Quantification of Deoxyguanosine and Deoxyadenosine in Oligonucleotides Using Screen-printed Graphite Electrodes. *Electroanalysis*, **2016**, 28, 3066-3074	3	3
49	Rapid antibiotic susceptibility testing using resazurin bulk modified screen-printed electrochemical sensing platforms. *Analyst, The*, **2021**, 146, 5574-5583	5	3
48	Batch-injection Amperometric Analysis on Screen-printed Electrodes: Analytical System for High-throughput Determination of Pharmaceutical Molecules. *Electroanalysis*, **2018**, 31, 518	3	3
47	Investigating structure-property relationships of biomineralized calcium phosphate compounds as fluorescent quenching-recovery platform. *Royal Society Open Science*, **2018**, 5, 170877	3.3	2
46	Nanoparticle modified electrodes for trace metal ion analysis **2014**, 54-79		2
45	Fingerprinting Breath: Electrochemical Monitoring of Markers Indicative of BacteriaMycobacterium tuberculosisInfection. *Journal of the Brazilian Chemical Society*, **2014**,	1.5	2
44	Screen Printed Electrodes Open New Vistas in Sensing: Application to Medical Diagnosis. *Modern Aspects of Electrochemistry*, **2013**, 83-120		2
43	Introduction to Graphene **2014**, 1-22		2
42	An oxygen pumping anode for electrowinning aluminium. *Physical Chemistry Chemical Physics*, **2013**, 15, 6350-4	3.6	2
41	Plaster-trodes for electro-analytical sensing via electrodeposition with electro-catalytic metals. *Analyst, The*, **2011**, 136, 1153-6	5	2

40	Graphene Matrices as Carriers for Metal Ions against Antibiotic Susceptible and Resistant Bacterial Pathogens. *Coatings*, **2021**, 11, 352	2.9	2
39	Effectiveness of titanium nitride silver coatings against Staphylococcus spp. in the presence of BSA and whole blood conditioning agents. *International Biodeterioration and Biodegradation*, **2019**, 141, 44-51	4.8	2
38	Electroanalytical overview: The electroanalytical detection of theophylline. *Talanta Open*, **2021**, 3, 100037	5.6	2
37	Electrochemical Overview: A Summary of ACoxMnyNizO2 and Metal Oxides as Versatile Cathode Materials for Metal-Ion Batteries. *Advanced Functional Materials*,2107761	15.6	2
36	The effect of TiO2 coatings on the formation of ozone and nitrogen oxides in non-thermal atmospheric pressure plasma. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106046	6.8	2
35	Perspective: What constitutes a quality paper in electroanalysis?. *Talanta Open*, **2021**, 4, 100065	5.6	2
34	Electroanalytical overview: screen-printed electrochemical sensing platforms for the detection of vital cardiac, cancer and inflammatory biomarkers. *Sensors & Diagnostics*,		2
33	Electroanalytical point-of-care detection of gold standard and emerging cardiac biomarkers for stratification and monitoring in intensive care medicine□ a review.. *Mikrochimica Acta*, **2022**, 189, 142	5.8	2
32	A comparison of waste education in schools and colleges across five European cities. *International Journal of Sustainable Development and World Ecology*,1-11	3.8	2
31	In-vitro Study of Effect of the Design of the Stent on the Arterial Waveforms. *Procedia Structural Integrity*, **2019**, 15, 33-40	1	1
30	Regal electrochemistry: British 5 pence coins provide useful metallic macroelectrode substrates. *Analyst, The*, **2015**, 140, 6477-80	5	1
29	Recent Advances in Bloodstain Pattern Analysis **2016**, 263-281		1
28	Sonoelectrochemical Production of Nanomaterials **2012**, 283-300		1
27	Sonoelectroanalysis: An Overview **2012**, 79-99		1
26	The electrochemistry of arylated anthraquinones in room temperature ionic liquids. *Journal of Physical Organic Chemistry*, **2013**, 26, 367-375	2.1	1
25	Prussian Blue Modified Solid Carbon Nanorod Whisker Paste Composite Electrodes: Evaluation towards the Electroanalytical Sensing ofH2O2. *International Journal of Electrochemistry*, **2012**, 2012, 1-7	2.4	1
24	Electrochemical characterisation of novel water-soluble ruthenocene complexes: An anion-dependent response. *Electrochemistry Communications*, **2007**, 9, 1451-1455	5.1	1
23	Influence of design and material characteristics on 3D printed flow-cells for heat transfer-based analytical devices.. *Mikrochimica Acta*, **2022**, 189, 73	5.8	1

22	Diamine Oxidase-Conjugated Multiwalled Carbon Nanotubes to Facilitate Electrode Surface Homogeneity.. *Sensors*, **2022**, 22,	3.8	1
21	Nano-molecularly imprinted polymers for serum creatinine sensing using the heat transfer method. *Talanta Open*, **2022**, 5, 100087	5.6	1
20	Reviewing the use of chitosan and polydopamine for electrochemical sensing. *Current Opinion in Electrochemistry*, **2021**, 32, 100885	7.2	1
19	Nanosized nickel hexacyanoferrate modified screen-printed electrodes as flexible supercabattery platforms: Influence of annealing temperatures and supporting electrolytes. *Journal of Energy Storage*, **2022**, 46, 103872	7.8	1
18	Microelectrode Designs137-168		1
17	Symmetrical Derivative of Anthrone as a Novel Receptor for Mercury Ions: Enhanced Performance of Modified Screen-Printed Electrode. *Journal of Carbon Research*, **2021**, 7, 13	3.3	1
16	Graphene-Based Electrochemical Sensors. *Springer Series on Chemical Sensors and Biosensors*, **2018**, 141-164		1
15	Evaluating the Possibility of Translating Technological Advances in Non-Invasive Continuous Lactate Monitoring into Critical Care. *Sensors*, **2021**, 21,	3.8	1
14	Glassy Carbon Electrode Modified with Layering of Carbon Black/Poly(Allylamine Hydrochloride) Composite for Multianalyte Determination. *Electroanalysis*, **2021**, 33, 526-536	3	1
13	2D materials as the basis of supercapacitor devices **2020**, 97-130		0
12	The Electrochemistry of Graphene **2014**, 79-126		0
11	Inherent characteristics of ultra-photosensitive Al/Cu□eO2/p-Si metal oxide semiconductor diodes. *Journal of Materials Chemistry C*, **2022**, 10, 1445-1457	7.1	0
10	Electroanalytical overview: The detection of the molecule of murder atropine. *Talanta Open*, **2021**, 4, 100073	5.6	0
9	Introduction and Current Applications of Screen-Printed Electrochemical Architectures. *SpringerBriefs in Applied Sciences and Technology*, **2016**, 1-12	0.4	0
8	Application of botryosphaeran as a carbon black adherent on a glassy carbon electrode for the electrochemical determination of cyclobenzaprine. *Electrochimica Acta*, **2021**, 379, 138176	6.7	0
7	Addressing Stakeholder Concerns Regarding the Effective Use of Bio-Based and Biodegradable Plastics. *Resources*, **2021**, 10, 95	3.7	0
6	Electroanalytical Applications of Graphene **2017**, 119-137		
5	Next-Generation Additive Manufacturing: Tailorable Graphene/Polylactic(acid) Filaments Allow the Fabrication of 3D Printable Porous Anodes for Utilisation within Lithium-ion Batteries. *Batteries and Supercaps*, **2019**, 2, 399-400	5.6	

4	Nanomaterials for Electrochemical Sensing and Biosensing **2014**, 1-45	
3	Electrochemical sensing of estradiol benzoate using hydroxyapatite with three-dimensional channel frameworks. *Analytical Methods*, **2017**, 9, 5868-5872	3.2
2	Quality Control/Quality Assurance Analysis of Electrochemical Screen-Printed Sensors. *SpringerBriefs in Applied Sciences and Technology*, **2016**, 35-56	0.4
1	Incorporating Graphene into Fuel Cell Design. *Nanoscience and Technology*, **2016**, 293-312	0.6