

# Clara Blanco

## List of Publications by Citations

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125  
papers

5,160  
citations

37  
h-index

67  
g-index

125  
ext. papers

5,638  
ext. citations

7.7  
avg, IF

5.45  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 125 | Towards a further generation of high-energy carbon-based capacitors by using redox-active electrolytes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1699-701  | 16.4 | 343       |
| 124 | Graphene materials with different structures prepared from the same graphite by the Hummers and Brodie methods. <i>Carbon</i> , <b>2013</b> , 65, 156-164  | 10.4 | 272       |
| 123 | Mechanisms of Energy Storage in Carbon-Based Supercapacitors Modified with a Quinoid Redox-Active Electrolyte. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 17606-17611   | 3.8  | 241       |
| 122 | Critical temperatures in the synthesis of graphene-like materials by thermal exfoliation/reduction of graphite oxide. <i>Carbon</i> , <b>2013</b> , 52, 476-485  | 10.4 | 188       |
| 121 | The effect of the parent graphite on the structure of graphene oxide. <i>Carbon</i> , <b>2012</b> , 50, 275-282  | 10.4 | 165       |
| 120 | Effects of thermal treatment of activated carbon on the electrochemical behaviour in supercapacitors. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 4969-4973   | 6.7  | 148       |
| 119 | An approach to classification and capacitance expressions in electrochemical capacitors technology. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1084-92   | 3.6  | 143       |
| 118 | Redox-active electrolyte for carbon nanotube-based electric double layer capacitors. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 3401-3405  | 6.7  | 143       |
| 117 | Enhanced performance of a Bi-modified graphite felt as the positive electrode of a vanadium redox flow battery. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 1379-1382   | 5.1  | 141       |
| 116 | An activated carbon monolith as an electrode material for supercapacitors. <i>Carbon</i> , <b>2009</b> , 47, 195-200   | 10.4 | 140       |
| 115 | Chemicals from coal coking. <i>Chemical Reviews</i> , <b>2014</b> , 114, 1608-36   | 68.1 | 130       |
| 114 | Supercapacitor modified with methylene blue as redox active electrolyte. <i>Electrochimica Acta</i> , <b>2012</b> , 83, 241-246  | 6.7  | 130       |
| 113 | Correct use of the Langmuir-Hinshelwood equation for proving the absence of a synergy effect in the photocatalytic degradation of phenol on a suspended mixture of titania and activated carbon. <i>Carbon</i> , <b>2013</b> , 55, 62-69 | 10.4 | 117       |
| 112 | Thermally reduced graphite oxide as positive electrode in Vanadium Redox Flow Batteries. <i>Carbon</i> , <b>2012</b> , 50, 828-834   | 10.4 | 115       |
| 111 | Graphite felt modified with bismuth nanoparticles as negative electrode in a vanadium redox flow battery. <i>ChemSusChem</i> , <b>2014</b> , 7, 914-8  | 8.3  | 85        |
| 110 | Long-term cycling of carbon-based supercapacitors in aqueous media. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 4481-4486   | 6.7  | 83        |
| 109 | Outstanding electrochemical performance of a graphene-modified graphite felt for vanadium redox flow battery application. <i>Journal of Power Sources</i> , <b>2017</b> , 338, 155-162   | 8.9  | 81        |

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|-----|---|------|----|
| 108 | Capacitive Deionization of NaCl Solutions with Modified Activated Carbon Electrodes <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 3329-3333   | 4.1  | 80 |
| 107 | Activated carbon produced from Sasol-Lurgi gasifier pitch and its application as electrodes in supercapacitors. <i>Carbon</i> , <b>2006</b> , 44, 441-446                                     | 10.4 | 75 |
| 106 | Optimization of the size and yield of graphene oxide sheets in the exfoliation step. <i>Carbon</i> , <b>2013</b> , 63, 576-578  | 10.4 | 70 |
| 105 | Enhanced Hydrogen-Transfer Catalytic Activity of Iridium N-Heterocyclic Carbenes by Covalent Attachment on Carbon Nanotubes. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1307-1317                | 13.1 | 67 |
| 104 | A comparative study of air-blown and thermally treated coal-tar pitches. <i>Carbon</i> , <b>2000</b> , 38, 517-523  | 10.4 | 66 |
| 103 | Carbon nanowalls thin films as nanostructured electrode materials in vanadium redox flow batteries. <i>Nano Energy</i> , <b>2012</b> , 1, 833-839   | 17.1 | 62 |
| 102 | A study of pitch-based precursors for general purpose carbon fibres. <i>Carbon</i> , <b>2002</b> , 40, 2719-2725  | 10.4 | 61 |
| 101 | CO <sub>2</sub> adsorption capacity and kinetics in nitrogen-enriched activated carbon fibers prepared by different methods. <i>Chemical Engineering Journal</i> , <b>2015</b> , 281, 704-712 | 14.7 | 52 |
| 100 | The adsorption of chromium (VI) from industrial wastewater by acid and base-activated lignocellulosic residues. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 144, 400-5              | 12.8 | 52 |
| 99  | . <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 3422-3428   | 4.1  | 49 |
| 98  | Enhanced life-cycle supercapacitors by thermal treatment of mesophase-derived activated carbons. <i>Electrochimica Acta</i> , <b>2008</b> , 54, 305-310                                       | 6.7  | 49 |
| 97  | Mesophase development in petroleum and coal-tar pitches and their blends. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2003</b> , 68-69, 409-424                                   | 6    | 48 |
| 96  | Influence of fibre/matrix interface on the fracture behaviour of carbon-carbon composites. <i>Journal of the European Ceramic Society</i> , <b>2003</b> , 23, 2857-2866                       | 6    | 48 |
| 95  | Tailored graphene materials by chemical reduction of graphene oxides of different atomic structure. <i>RSC Advances</i> , <b>2012</b> , 2, 9643   | 3.7  | 46 |
| 94  | The stabilisation of carbon fibres studied by micro-thermal analysis. <i>Carbon</i> , <b>2003</b> , 41, 165-171   | 10.4 | 45 |
| 93  | Graphite oxide-based graphene materials as positive electrodes in vanadium redox flow batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 241, 349-354                                 | 8.9  | 44 |
| 92  | Chemical activation of carbon mesophase pitches. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 298, 341-7   | 9.3  | 43 |
| 91  | Optimisation of the melt-spinning of anthracene oil-based pitch for isotropic carbon fibre preparation. <i>Fuel Processing Technology</i> , <b>2012</b> , 93, 99-104                          | 7.2  | 42 |

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|----|---|------|----|
| 90 | High performance activated carbon for benzene/toluene adsorption from industrial wastewater. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 1525-32   | 12.8 | 42 |
| 89 | Large diameter carbon fibres from mesophase pitch. <i>Carbon</i> , <b>2002</b> , 40, 2109-2116  | 10.4 | 40 |
| 88 | Graphene anchored palladium complex as efficient and recyclable catalyst in the Heck cross-coupling reaction. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 416, 140-146                      |      | 37 |
| 87 | Influence of electrode preparation on the electrochemical behaviour of carbon-based supercapacitors. <i>Journal of Applied Electrochemistry</i> , <b>2007</b> , 37, 717-721                             | 2.6  | 37 |
| 86 | A novel method to obtain a petroleum-derived mesophase pitch suitable as carbon fibre precursor. <i>Carbon</i> , <b>2003</b> , 41, 445-452  | 10.4 | 34 |
| 85 | Thermally reduced graphite and graphene oxides in VRFBs. <i>Nano Energy</i> , <b>2013</b> , 2, 1322-1328  | 17.1 | 33 |
| 84 | High value activated carbons from waste polystyrene foams. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 267, 181-184   | 5.3  | 32 |
| 83 | A novel approach for the production of chemically activated carbon fibers. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 463-468   | 14.7 | 31 |
| 82 | Carbon materials as electrodes for electrosorption of NaCl in aqueous solutions. <i>Adsorption</i> , <b>2011</b> , 17, 467-471  | 2.6  | 30 |
| 81 | Enhanced energy density of carbon-based supercapacitors using Cerium (III) sulphate as inorganic redox electrolyte. <i>Electrochimica Acta</i> , <b>2015</b> , 168, 277-284                             | 6.7  | 29 |
| 80 | Voltage dependence of carbon-based supercapacitors for pseudocapacitance quantification. <i>Electrochimica Acta</i> , <b>2013</b> , 95, 225-229   | 6.7  | 29 |
| 79 | New alternatives to graphite for producing graphene materials. <i>Carbon</i> , <b>2015</b> , 93, 812-818  | 10.4 | 28 |
| 78 | Graphene-NiCo hybrid catalysts built through DH covalent linkage. <i>Carbon</i> , <b>2015</b> , 83, 21-31   | 10.4 | 28 |
| 77 | Characterisation and feasibility as carbon fibre precursors of isotropic pitches derived from anthracene oil. <i>Fuel</i> , <b>2012</b> , 101, 9-15   | 7.1  | 28 |
| 76 | Preparation of low toxicity pitches by thermal oxidative condensation of anthracene oil. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 8126-32                                      | 10.3 | 28 |
| 75 | Cokes of different origin as precursors of graphene oxide. <i>Fuel</i> , <b>2016</b> , 166, 400-403   | 7.1  | 26 |
| 74 | Influence of the carbonization temperature on the mechanical properties of thermoplastic polymer derived C/C-SiC composites. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 523-529 | 6    | 26 |
| 73 | An insight into the polymerization of anthracene oil to produce pitch using nuclear magnetic resonance. <i>Fuel</i> , <b>2013</b> , 105, 471-476  | 7.1  | 25 |

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|----|---|------|----|
| 72 | Carbon molecular sieves as model active electrode materials in supercapacitors. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 110, 431-435  | 5.3  | 25 |
| 71 | Pitch-based carbon composites with granular reinforcements for frictional applications. <i>Carbon</i> , <b>2000</b> , 38, 1043-1051   | 10.4 | 25 |
| 70 | Activated carbon fibers prepared directly from stabilized fibers for use as electrodes in supercapacitors. <i>Materials Letters</i> , <b>2014</b> , 136, 214-217  | 3.3  | 24 |
| 69 | Effect of structural differences of carbon nanotubes and graphene based iridium-NHC materials on the hydrogen transfer catalytic activity. <i>Carbon</i> , <b>2016</b> , 96, 66-74                                | 10.4 | 23 |
| 68 | Enhancing energy density of carbon-based supercapacitors using Prussian Blue modified positive electrodes. <i>Electrochimica Acta</i> , <b>2016</b> , 212, 848-855  | 6.7  | 23 |
| 67 | Unusual flexibility of mesophase pitch-derived carbon materials: An approach to the synthesis of graphene. <i>Carbon</i> , <b>2017</b> , 115, 539-545   | 10.4 | 22 |
| 66 | LiFePO <sub>4</sub> /Mesoporous Carbon Hybrid Supercapacitor Based on LiTFSI/Imidazolium Ionic Liquid Electrolyte. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 1456-1465                          | 3.8  | 22 |
| 65 | Customizing thermally-reduced graphene oxides for electrically conductive or mechanical reinforced epoxy nanocomposites. <i>European Polymer Journal</i> , <b>2017</b> , 93, 1-7                                  | 5.2  | 21 |
| 64 | The influence of carbon nanotubes characteristics in their performance as positive electrodes in vanadium redox flow batteries. <i>Sustainable Energy Technologies and Assessments</i> , <b>2015</b> , 9, 105-110 | 4.7  | 21 |
| 63 | Fabrication of C/SiC composites by combining liquid infiltration process and spark plasma sintering technique. <i>Ceramics International</i> , <b>2012</b> , 38, 2171-2175  | 5.1  | 21 |
| 62 | The effect of the substrate on pitch wetting behaviour. <i>Fuel Processing Technology</i> , <b>2010</b> , 91, 1373-1377   | 7.2  | 21 |
| 61 | Mesophase from Anthracene Oil-Based Pitches. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 4146-4150  | 4.1  | 21 |
| 60 | Influence of mesophase activation conditions on the specific capacitance of the resulting carbons. <i>Journal of Power Sources</i> , <b>2006</b> , 156, 719-724   | 8.9  | 21 |
| 59 | Effect of the thermal treatment of carbon-based electrodes on the electrochemical performance of supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , <b>2008</b> , 618, 17-23                        | 4.1  | 20 |
| 58 | Improvement of the thermal stability of lignocellulosic materials by treatment with sulphuric acid and potassium hydroxide. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2004</b> , 72, 131-139        | 6    | 20 |
| 57 | Development of new carbon honeycomb structures from cellulose and pitch. <i>Carbon</i> , <b>2002</b> , 40, 541-550  | 10.4 | 20 |
| 56 | Effects of Air-Blowing on the Molecular Size and Structure of Coal-Tar Pitch Components. <i>Energy &amp; Fuels</i> , <b>2002</b> , 16, 1540-1549  | 4.1  | 20 |
| 55 | Tuning graphene properties by a multi-step thermal reduction process. <i>Carbon</i> , <b>2015</b> , 90, 160-163   | 10.4 | 19 |

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|----|---|------|----|
| 54 | N-enriched ACF from coal-based pitch blended with urea-based resin for CO <sub>2</sub> capture. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 201, 10-16  | 5.3  | 19 |
| 53 | Enhancing the hydrogen transfer catalytic activity of hybrid carbon nanotube-based NHCl <sub>3</sub> /iridium catalysts by increasing the oxidation degree of the nanosupport. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 5504-5514 | 5.5  | 19 |
| 52 | A novel method for mesophase separation. <i>Carbon</i> , <b>1997</b> , 35, 1191-1193  | 10.4 | 19 |
| 51 | On the Chemical Composition of Thermally Treated Coal-Tar Pitches. <i>Energy &amp; Fuels</i> , <b>2001</b> , 15, 214-223  | 4.1  | 19 |
| 50 | Study of carbon fibres and carbon-carbon composites by scanning thermal microscopy. <i>Journal of Microscopy</i> , <b>2002</b> , 205, 21-32   | 1.9  | 18 |
| 49 | Thermal degradation of lignocellulosic materials treated with several acids. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2005</b> , 74, 337-343   | 6    | 18 |
| 48 | Separation and characterization of the isotropic phase and co-existing mesophase in thermally treated coal-tar pitches. <i>Carbon</i> , <b>2000</b> , 38, 1169-1176   | 10.4 | 18 |
| 47 | An insight into pitch/substrate wetting behaviour. The effect of the substrate processing temperature on pitch wetting capacity. <i>Fuel</i> , <b>2007</b> , 86, 1046-1052  | 7.1  | 17 |
| 46 | Pyrolysis behaviour of mesophase and isotropic phases isolated from the same pitch. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2002</b> , 63, 251-265  | 6    | 17 |
| 45 | Improvement of thermal conductivity in 2D carbon-carbon composites by doping with TiC nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 122, 102-107  | 4.4  | 16 |
| 44 | Pyrolysis behaviour of pitches modified with different additives. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2005</b> , 73, 276-283  | 6    | 16 |
| 43 | Tailoring micro-mesoporosity in activated carbon fibers to enhance SO <sub>2</sub> catalytic oxidation. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 428, 36-40  | 9.3  | 15 |
| 42 | Texture studies of carbon and graphite tapes by XRD texture goniometry. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 5283-5290   | 4.3  | 15 |
| 41 | Role of quinoline insoluble particles during the processing of coal tars to produce graphene materials. <i>Fuel</i> , <b>2017</b> , 206, 99-106   | 7.1  | 14 |
| 40 | Main structural features of graphene materials controlling the transport properties of epoxy resin-based composites. <i>European Polymer Journal</i> , <b>2018</b> , 101, 56-65   | 5.2  | 14 |
| 39 | Relationship between chemical composition and pyrolysis behaviour of a medium temperature pitch (or Lurgi-gasifier pitch). <i>Fuel Processing Technology</i> , <b>2003</b> , 84, 63-77  | 7.2  | 14 |
| 38 | Contribution of the isotropic phase to the rheology of partially anisotropic coal-tar pitches. <i>Carbon</i> , <b>1999</b> , 37, 1059-1064  | 10.4 | 14 |
| 37 | Biliquid Supercapacitors: a Simple and New Strategy to Enhance Energy Density in Asymmetric/Hybrid Devices. <i>Electrochimica Acta</i> , <b>2017</b> , 254, 384-392   | 6.7  | 13 |

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|----|---|------|----|
| 36 | Multifunctional Silicone Rubber Nanocomposites by Controlling the Structure and Morphology of Graphene Material. <i>Polymers</i> , <b>2019</b> , 11,  | 4.5  | 13 |
| 35 | Synthesis of activated carbons by chemical activation of new anthracene oil-based pitches and their optimization by response surface methodology. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 1987-1992                                 | 7.2  | 13 |
| 34 | Monitoring coal-tar pitch composition changes during air-blowing by gas chromatography. <i>Journal of Chromatography A</i> , <b>2004</b> , 1026, 231-8  | 4.5  | 13 |
| 33 | Mechanism and Stability of a Redox Supercapacitor Based on Methylene Blue: Effects of Degradation of the Redox Shuttle. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2306-2316  | 6.1  | 12 |
| 32 | A multi-step exfoliation approach to maintain the lateral size of graphene oxide sheets. <i>Carbon</i> , <b>2014</b> , 80, 830-832  | 10.4 | 12 |
| 31 | A unified process for preparing mesophase and isotropic material from anthracene oil-based pitch. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 421-427   | 7.2  | 12 |
| 30 | Insights on the Behavior of Imidazolium Ionic Liquids as Electrolytes in Carbon-Based Supercapacitors: An Applied Electrochemical Approach. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 15818 <sup>3,8</sup> -15830 <sup>10</sup> |      |    |
| 29 | Further studies on the use of Raman spectroscopy and X-ray diffraction for the characterisation of TiC-containing carbon/carbon composites. <i>Carbon</i> , <b>2012</b> , 50, 3240-3246   | 10.4 | 10 |
| 28 | Composite electrode materials for lithium-ion batteries obtained by metal oxide addition to petroleum vacuum residua. <i>Carbon</i> , <b>2005</b> , 43, 923-936   | 10.4 | 10 |
| 27 | Influence of the electrophoretic deposition parameters on the formation of suspended graphene-based films. <i>Materials and Design</i> , <b>2018</b> , 160, 58-64   | 8.1  | 10 |
| 26 | Lignocellulose/pitch based composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2005</b> , 36, 649-657  | 8.4  | 9  |
| 25 | Morphological changes in graphene materials caused by solvents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 558, 73-79  | 5.1  | 9  |
| 24 | Peculiarities of the production of graphene oxides with controlled properties from industrial coal liquids. <i>Fuel</i> , <b>2017</b> , 203, 253-260  | 7.1  | 8  |
| 23 | Reduced graphene oxide membranes in ocular regenerative medicine. <i>Materials Science and Engineering C</i> , <b>2020</b> , 114, 111075  | 8.3  | 8  |
| 22 | Novel coal-based precursors for cokes with highly oriented microstructures. <i>Fuel</i> , <b>2012</b> , 95, 400-406   | 7.1  | 8  |
| 21 | Oxidation behaviour of magnesia/carbon materials prepared with petroleum pitch as binder. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2010</b> , 88, 207-212  | 6    | 8  |
| 20 | Evaluating capacitive deionization for water desalination by direct determination of chloride ions. <i>Desalination</i> , <b>2014</b> , 344, 396-401  | 10.3 | 7  |
| 19 | Development of titanium-doped carbon/carbon composites. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 2525-2532   | 4.5  | 7  |

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|----|---|------|---|
| 18 | Micro-thermal analysis as a technique for in situ characterisation of the softening behaviour of the isotropic phase and mesophase in thermally treated pitches. <i>Carbon</i> , <b>2002</b> , 40, 132-135  | 10.4 | 7 |
| 17 | Structural Characterization of High-Softening-Point Pitches By Oxidation with RuO <sub>4</sub> . <i>Energy &amp; Fuels</i> , <b>2001</b> , 15, 128-134  | 4.1  | 7 |
| 16 | Thermal curing of mesophase pitch: An alternative to oxidative stabilisation for the development of carbon-carbon composites. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2009</b> , 86, 28-32  | 6    | 6 |
| 15 | Microstructure and properties of pitch-based carbon composites. <i>Journal of Microscopy</i> , <b>1999</b> , 196, 213-249   |      | 6 |
| 14 | Optimization of a carbon-based hybrid energy storage device with cerium (III) sulfate as redox electrolyte. <i>Journal of Power Sources</i> , <b>2016</b> , 309, 50-55  | 8.9  | 5 |
| 13 | Influence of the alignment degree of CVD-grown carbon nanotubes on their functionalization and adsorption capacity. <i>Diamond and Related Materials</i> , <b>2013</b> , 37, 1-7  | 3.5  | 5 |
| 12 | Manufacturing and high heat-flux testing of brazed actively cooled mock-ups with Ti-doped graphite and CFC as plasma-facing materials. <i>Physica Scripta</i> , <b>2009</b> , T138, 014062  | 2.6  | 5 |
| 11 | A study of Faradaic phenomena in activated carbon by means of macroelectrodes and single particle electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2008</b> , 618, 33-38  | 4.1  | 5 |
| 10 | Behaviour of Ti-doped CFCs under thermal fatigue tests. <i>Fusion Engineering and Design</i> , <b>2011</b> , 86, 121-125  | 7    | 4 |
| 9  | An insight into Faradaic phenomena in activated carbon investigated by means of the microelectrode technique. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2320-2324   | 5.1  | 4 |
| 8  | Pitch/coke wetting behaviour. <i>Fuel</i> , <b>2005</b> ,   | 7.1  | 4 |
| 7  | Experimental and Statistical Optimization of the Tensile Strength of Carbon Fibers from Pitches with Different Composition. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 3243-3250  | 3.9  | 3 |
| 6  | Behaviour of Ti-doped 3D carbon fibre composites under intense thermal shock tests. <i>Physica Scripta</i> , <b>2009</b> , T138, 014055   | 2.6  | 3 |
| 5  | No genome-wide DNA methylation changes found associated with medium-term reduced graphene oxide exposure in human lung epithelial cells. <i>Epigenetics</i> , <b>2020</b> , 15, 283-293   | 5.7  | 2 |
| 4  | Unraveling the relevance of carbon felts surface modification during electrophoretic deposition of nanocarbons on their performance as electrodes for the VO <sub>2</sub> <sup>+</sup> /VO <sub>2</sub> <sup>+</sup> redox couple. <i>Applied Surface Science</i> , <b>2021</b> , 569, 151095 | 6.7  | 2 |
| 3  | Local structure of Iridium organometallic catalysts covalently bonded to carbon nanotubes.. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 712, 012052  | 0.3  | 1 |
| 2  | Influence of titanium carbide on the interlaminar shear strength of carbon fibre laminate composites. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 101-106  | 8.6  | 1 |
| 1  | Evaluation of novel Ti-doped 3D carbon-carbon composites under transient thermal loads. <i>Fusion Engineering and Design</i> , <b>2010</b> , 85, 813-818  | 1.7  |   |



