

# Qiang Guo

## List of Publications by Citations

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

118  
papers

2,194  
citations

24  
h-index

42  
g-index

125  
ext. papers

2,725  
ext. citations

4.4  
avg, IF

5.32  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 118 | Towards Dynamic but Supertough Healable Polymers through Biomimetic Hierarchical Hydrogen-Bonding Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13838-13842                       | 16.4 | 252       |
| 117 | Solid state reduction of Panzhihua titanomagnetite concentrates with pulverized coal. <i>Minerals Engineering</i> , <b>2011</b> , 24, 864-869  | 4.9  | 118       |
| 116 | Decomposition kinetics of titanium slag in sodium hydroxide system. <i>Hydrometallurgy</i> , <b>2009</b> , 95, 22-27   | 4    | 83        |
| 115 | A novel preparation of titanium dioxide from titanium slag. <i>Hydrometallurgy</i> , <b>2009</b> , 96, 52-56   | 4    | 77        |
| 114 | Flexible composite-nanofiber based piezo-triboelectric nanogenerators for wearable electronics. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13347-13355   | 13   | 71        |
| 113 | Different N-containing functional groups modified mesoporous adsorbents for Cr(VI) sequestration: Synthesis, characterization and comparison. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 110, 442-450 | 5.3  | 71        |
| 112 | A novel method to extract iron, titanium, vanadium, and chromium from high-chromium vanadium-bearing titanomagnetite concentrates. <i>Hydrometallurgy</i> , <b>2014</b> , 149, 106-109                                 | 4    | 66        |
| 111 | Morphosynthesis route to large-pore SBA-15 microspheres. <i>Microporous and Mesoporous Materials</i> , <b>2006</b> , 91, 156-160   | 5.3  | 65        |
| 110 | Extraction of vanadium from chloride solution with high concentration of iron by solvent extraction using D2EHPA. <i>Separation and Purification Technology</i> , <b>2014</b> , 125, 59-65                             | 8.3  | 63        |
| 109 | An extraction process to recover vanadium from low-grade vanadium-bearing titanomagnetite. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 294, 35-40  | 12.8 | 53        |
| 108 | Pd catalyst supported on a chitosan-functionalized large-area 3D reduced graphene oxide for formic acid electrooxidation reaction. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6839                     | 13   | 44        |
| 107 | Green manufacturing process of chromium compounds. <i>Environmental Progress</i> , <b>2005</b> , 24, 44-50   |      | 44        |
| 106 | Novel Process for Titanium Dioxide Production from Titanium Slag: NaOH-KOH Binary Molten Salt Roasting and Water Leaching. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 15756-15762      | 3.9  | 43        |
| 105 | Swelling behavior of iron ore pellet reduced by H <sub>2</sub> O mixtures. <i>Powder Technology</i> , <b>2015</b> , 269, 290-295   | 5.2  | 38        |
| 104 | A novel D2EHPA-based synergistic extraction system for the recovery of chromium (III). <i>Chemical Engineering Journal</i> , <b>2016</b> , 302, 233-238  | 14.7 | 35        |
| 103 | Characterization and atmospheric hydrochloric acid leaching of a limonitic laterite from Indonesia. <i>Hydrometallurgy</i> , <b>2012</b> , 129-130, 7-13   | 4    | 34        |
| 102 | A novel synergistic extraction method for recovering vanadium (V) from high-acidity chloride leaching liquor. <i>Separation and Purification Technology</i> , <b>2016</b> , 165, 166-172                               | 8.3  | 31        |

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|-----|--|------|----|
| 101 | Mechanism and kinetics of titanium hydrolysis in concentrated titanyl sulfate solution based on infrared and Raman spectra. <i>Chemical Engineering Science</i> , <b>2015</b> , 134, 196-204   | 4.4  | 30 |
| 100 | Adaptive Polymeric Coatings with Self-Reporting and Self-Healing Dual Functions from Porous Core-Shell Nanostructures. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1700616  | 3.9  | 30 |
| 99  | Efficient and Stable NiCo <sub>2</sub> O <sub>4</sub> /VN Nanoparticle Catalyst for Electrochemical Water Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11473-11479   | 8.3  | 25 |
| 98  | Smart-Sensing Polymer Coatings with Autonomously Reporting Corrosion Dynamics of Self-Healing Systems. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900055   | 4.6  | 24 |
| 97  | A machine learning approach for electrical capacitance tomography measurement of gas-solid fluidized beds. <i>AIChE Journal</i> , <b>2019</b> , 65, e16583   | 3.6  | 24 |
| 96  | Extraction of iron (III) from chloride leaching liquor with high acidity using tri-n-butyl phosphate and synergistic extraction combined with methyl isobutyl ketone. <i>Separation and Purification Technology</i> , <b>2015</b> , 150, 132-138 | 8.3  | 24 |
| 95  | Hierarchical NiBe layered double hydroxide/MnO <sub>2</sub> sphere architecture as an efficient noble metal-free electrocatalyst for ethanol electro-oxidation in alkaline solution. <i>RSC Advances</i> , <b>2015</b> , 5, 83314-83319          | 3.7  | 24 |
| 94  | Decomposition of acid dissolved titanium slag from Australia by sodium hydroxide. <i>Rare Metals</i> , <b>2009</b> , 28, 564-569   | 5.5  | 24 |
| 93  | A method for recovery of iron, titanium, and vanadium from vanadium-bearing titanomagnetite. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2018</b> , 25, 131-144  | 3.1  | 23 |
| 92  | Leaching metals from saprolitic laterite ore using a ferric chloride solution. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 3531-3539   | 10.3 | 23 |
| 91  | Mineralizer effects on the synthesis of amorphous chromium hydroxide and chromium oxide green pigment using hydrothermal reduction method. <i>Dyes and Pigments</i> , <b>2015</b> , 113, 487-495   | 4.6  | 22 |
| 90  | Vertically Grown MoS <sub>2</sub> Nanoplates on VN with an Enlarged Surface Area as an Efficient and Stable Electrocatalyst for HER. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2854-2861  | 6.1  | 21 |
| 89  | Activation pretreatment of limonitic laterite ores by alkali-roasting using NaOH. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2012</b> , 19, 100-105   | 3.1  | 21 |
| 88  | Measurement and Correlation of Solubility Data for CO <sub>2</sub> in NaHCO <sub>3</sub> Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 1213-1219   | 2.8  | 21 |
| 87  | Investigation of gas-solid bubbling fluidized beds using ECT with a modified Tikhonov regularization technique. <i>AIChE Journal</i> , <b>2018</b> , 64, 29-41   | 3.6  | 20 |
| 86  | Influence and hydrolysis kinetics in titanyl sulfate solution from the sodium hydroxide molten salt method. <i>Journal of Crystal Growth</i> , <b>2013</b> , 381, 153-159  | 1.6  | 19 |
| 85  | Pd nanoparticles supported on MgAl <sub>2</sub> O <sub>3</sub> layered double hydroxide as an effective catalyst for methanol electro-oxidation. <i>RSC Advances</i> , <b>2015</b> , 5, 62142-62148  | 3.7  | 18 |
| 84  | Aqueous Carbonation of Steel Slag: A Kinetics Study. <i>ISIJ International</i> , <b>2015</b> , 55, 2509-2514   | 1.7  | 17 |

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|----|--|------|----|
| 83 | Preparation of titanium dioxide from titania-rich slag by molten NaOH method. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2012</b> , 19, 205-211   | 3.1  | 17 |
| 82 | Vertically aligned MnO <sub>2</sub> nanosheets on carbon nanotubes as cathodic materials for aqueous rechargeable magnesium ion battery. <i>Ionics</i> , <b>2018</b> , 24, 3483-3491   | 2.7  | 16 |
| 81 | Electro-catalysis of carbon black or titanium sub-oxide supported Pd/C towards formic acid electro-oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 68989-68996   | 3.7  | 16 |
| 80 | Effect of ZnCl <sub>2</sub> impregnation concentration on the microstructure and electrical performance of ramie-based activated carbon hollow fiber. <i>Ionics</i> , <b>2016</b> , 22, 545-553  | 2.7  | 16 |
| 79 | Thermally treated 3-D nanostructured graphene-supported Pd catalyst for significantly improved electrocatalytic performance towards ethanol electrooxidation. <i>RSC Advances</i> , <b>2013</b> , 3, 5196  | 3.7  | 16 |
| 78 | Synthesis and characterization of rod-like periodic mesoporous organosilica with the 1,4-diureylenebenzene moieties. <i>Microporous and Mesoporous Materials</i> , <b>2007</b> , 103, 184-189  | 5.3  | 16 |
| 77 | A novel process for the recovery of iron, titanium, and vanadium from vanadium-bearing titanomagnetite: sodium modification-direct reduction coupled process. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2017</b> , 24, 504-511 | 3.1  | 15 |
| 76 | Biomimetic Tough Self-Healing Polymers Enhanced by Crystallization Nanostructures. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 879-886   | 4.3  | 15 |
| 75 | Formation of Cr(VI) compounds during the thermal decomposition of amorphous chromium hydroxide. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 117, 741-745  | 4.1  | 15 |
| 74 | Hydrous alumina/silica double-layer surface coating of TiO <sub>2</sub> pigment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 407, 77-84  | 5.1  | 15 |
| 73 | Structures, formation mechanisms, and ion-exchange properties of $\text{H}_2\text{TiO}_4$ and $\text{Na}_2\text{TiO}_3$ . <i>RSC Advances</i> , <b>2016</b> , 6, 112625-112633   | 3.7  | 14 |
| 72 | Efficient Removal of Fluoride by Complexation Extraction: Mechanism and Thermodynamics. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9102-9108  | 10.3 | 14 |
| 71 | Extraction relationship of Li <sup>+</sup> and H <sup>+</sup> using tributyl phosphate in the presence of Fe(III). <i>Separation Science and Technology</i> , <b>2020</b> , 55, 1677-1685  | 2.5  | 14 |
| 70 | Synthesis of Polyurethane/Poly(urea-formaldehyde) Double-shelled Microcapsules for Self-healing Anticorrosion Coatings. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2020</b> , 38, 45-52  | 3.5  | 14 |
| 69 | Extraction of metals from saprolitic laterite ore through pressure hydrochloric-acid selective leaching. <i>Hydrometallurgy</i> , <b>2015</b> , 157, 149-158   | 4    | 13 |
| 68 | Towards Dynamic but Supertough Healable Polymers through Biomimetic Hierarchical Hydrogen-Bonding Interactions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14034-14038  | 3.6  | 13 |
| 67 | A novel way to synthesize potassium titanates. <i>Materials Letters</i> , <b>2006</b> , 60, 203-205  | 3.3  | 12 |
| 66 | Production of TiO <sub>2</sub> from CaTiO <sub>3</sub> by alkaline roasting method. <i>Rare Metals</i> , <b>2010</b> , 29, 162-167   | 5.5  | 11 |

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|----|--|------|----|
| 65 | Structural control of Na <sub>2</sub> TiO <sub>3</sub> in pre-treating natural rutile ore by alkali roasting for TiO <sub>2</sub> production. <i>Canadian Journal of Chemical Engineering</i> , <b>2014</b> , 92, 1346-1352  | 2.3  | 10 |
| 64 | Water-Induced Structural Dynamic Process in Molecular Sieves under Mild Hydrothermal Conditions: Ship-in-a-Bottle Strategy for Acidity Identification and Catalyst Modification. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20672-20681        | 16.4 | 10 |
| 63 | Carbothermic Reduction of Vanadium-Titanium Magnetite in Molten NaOH. <i>ISIJ International</i> , <b>2018</b> , 58, 627-632  | 1.7  | 10 |
| 62 | Mixed-Surfactant-Assisted Synthesis of Dual-Phase Li Ti O -TiO Hierarchical Microspheres as High-Performance Anode Materials for Li-Ion Batteries. <i>ChemSusChem</i> , <b>2019</b> , 12, 4412-4420  | 8.3  | 9  |
| 61 | pH-Responsive Polymer Coatings for Reporting Early Stages of Metal Corrosion. <i>Macromolecular Materials and Engineering</i> , <b>2017</b> , 302, 1700128   | 3.9  | 8  |
| 60 | Experimental Verification of Solid-like and Fluid-like States in the Homogeneous Fluidization Regime of Geldart A Particles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 2670-2686  | 3.9  | 8  |
| 59 | Study the liquid-phase Beckmann rearrangement on the surface of SBA-15-SO <sub>3</sub> H catalyst. <i>Journal of Porous Materials</i> , <b>2010</b> , 17, 335-340  | 2.4  | 8  |
| 58 | Drop size correlation and population balance model for an agitated-pulsed solvent extraction column. <i>AIChE Journal</i> , <b>2020</b> , 66, e16279   | 3.6  | 8  |
| 57 | Application of a Sustainable Bioderived Solvent (Biodiesel) for Phenol Extraction. <i>ACS Omega</i> , <b>2019</b> , 4, 10431-10437   | 3.9  | 7  |
| 56 | Recovery of titanium and vanadium from titanium-vanadium slag obtained by direct reduction of titanomagnetite concentrates. <i>Rare Metals</i> , <b>2015</b> , 1   | 5.5  | 7  |
| 55 | Application of mathematical models for ion-exchange removal of calcium ions from potassium chromate solutions by Amberlite IRC 748 resin in a continuous fixed bed column. <i>Hydrometallurgy</i> , <b>2015</b> , 158, 165-171   | 4    | 7  |
| 54 | Extraction behaviours of titanium and other impurities in the decomposition process of ilmenite by highly concentrated KOH solution. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2012</b> , 19, 9-14   | 3.1  | 7  |
| 53 | Precipitation of Fe <sub>2</sub> O <sub>3</sub> and recovery of Ni and Co from synthetic laterite-leaching solutions. <i>Hydrometallurgy</i> , <b>2015</b> , 153, 21-29  | 4    | 7  |
| 52 | Removal of iron from ilmenite by KOH leaching-oxalate leaching method. <i>Rare Metals</i> , <b>2010</b> , 29, 9-15   | 5.5  | 7  |
| 51 | Preparation and film-growing mechanism of hydrous zirconia coated on TiO <sub>2</sub> . <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2010</b> , 17, 660-667   | 3.1  | 7  |
| 50 | Nanogap and Environmentally Stable Triboelectric Nanogenerators Based on Surface Self-Modified Sustainable Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55444-55452  | 9.5  | 7  |
| 49 | Hierarchical porous nitrogen doped reduced graphene oxide prepared by surface decoration-thermal treatment method as high-activity oxygen reduction reaction catalyst and high-performance supercapacitor electrodes. <i>RSC Advances</i> , <b>2016</b> , 6, 49497-49504 | 3.7  | 7  |
| 48 | Using highly concentrated chloride solutions to leach valuable metals from cathode-active materials in spent lithium-ion batteries. <i>Rare Metals</i> , <b>2021</b> , 40, 1971-1978   | 5.5  | 7  |

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|----|--|-----|---|
| 47 | Preparation of Highly Pure Vanadyl Sulfate from Sulfate Solutions Containing Impurities of Iron and Aluminum by Solvent Extraction Using EHEHPA. <i>Metals</i> , <b>2017</b> , 7, 106  | 2.3 | 6 |
| 46 | Selective removal of iron(III) from highly salted chloride acidic solutions by solvent extraction using di(2-ethylhexyl) phosphate. <i>Frontiers of Chemical Science and Engineering</i> , <b>2021</b> , 15, 528-537   | 4.5 | 6 |
| 45 | Glucose-Based Activated Carbon Spheres as Electrode Material for Electrochemical Capacitor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 3835-3841   | 1.3 | 5 |
| 44 | Doping effects on the electro-degradation of phenol on doped titanium suboxide anodes. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 830-837  | 3.2 | 5 |
| 43 | Preparation of Cr <sub>2</sub> O <sub>3</sub> precursors by hydrothermal reduction in the abundant Na <sub>2</sub> CO <sub>3</sub> and Na <sub>2</sub> CrO <sub>4</sub> solution. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2012</b> , 19, 978-985 | 3.1 | 5 |
| 42 | Nitrogen-doped carbon-modified titanium oxides supported Pd catalyst for the electrooxidation of formic acid. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 2623-2628   | 2.6 | 4 |
| 41 | Treatment of titionite residue from titanium oxide industry for recovery of TiO <sub>2</sub> and removal of silica. <i>Hydrometallurgy</i> , <b>2016</b> , 161, 112-116  | 4   | 4 |
| 40 | Influence of Na <sub>2</sub> CO <sub>3</sub> as Additive on Direct Reduction of Boron-Bearing Magnetite Concentrate. <i>Journal of Iron and Steel Research International</i> , <b>2016</b> , 23, 103-108   | 1.2 | 4 |
| 39 | Study on Lithium Insertion in Lepidocrocite and MnO <sub>2</sub> Type TiO <sub>2</sub> : A First-Principles Prediction. <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 1257-1262  | 4.9 | 4 |
| 38 | Novel palladium/yttrium (Pd/Y/C) catalysts for methanol electrooxidation in alkaline media. <i>Journal of Solid State Electrochemistry</i> , <b>2015</b> , 19, 923-927   | 2.6 | 4 |
| 37 | Solubility Data in the System KCl + K <sub>2</sub> CrO <sub>4</sub> + H <sub>2</sub> O. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1811-1813  | 2.8 | 4 |
| 36 | Bioinspired Healable Mechanochromic Function from Fluorescent Polyurethane Composite Film. <i>ChemistryOpen</i> , <b>2020</b> , 9, 272-276   | 2.3 | 4 |
| 35 | Nano-channel-based physical and chemical synergic regulation for dendrite-free lithium plating. <i>Nano Research</i> , <b>2021</b> , 14, 3585-3597   | 10  | 4 |
| 34 | Activation pretreatment of low-grade Ti-slag by alkali roasting: anticaking technique and kinetics of decomposition. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2016</b> , 11, 14-23   | 1.3 | 4 |
| 33 | Modeling of the Competition between Uranyl Nitrate and Nitric Acid upon Extraction with Tri-butyl Phosphate. <i>ACS Omega</i> , <b>2020</b> , 5, 12174-12183   | 3.9 | 3 |
| 32 | Crystallization of Ammonium Persulfate in the Presence of an Additive: Experimental and Molecular Dynamics Simulation Studies. <i>Crystal Research and Technology</i> , <b>2018</b> , 53, 1700280  | 1.3 | 3 |
| 31 | Decomposition Kinetics of Titania Slag in Eutectic NaOH-NaNO <sub>3</sub> System. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 666-674   | 2.5 | 3 |
| 30 | High-performance aqueous rechargeable batteries based on zinc anode and NiCo <sub>2</sub> O <sub>4</sub> cathode. <i>Bulletin of Materials Science</i> , <b>2015</b> , 38, 1435-1438   | 1.7 | 3 |

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|----|--|-----|---|
| 29 | Crystallization behaviors of bayerite from sodium chromate alkali solutions. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2014</b> , 24, 3356-3365   | 3.3 | 3 |
| 28 | Removing of Si in the NaOH Molten Salt Reaction of Titanium Slag to Produce TiO <sub>2</sub> . <i>Advanced Materials Research</i> , <b>2011</b> , 418-420, 387-392   | 0.5 | 3 |
| 27 | Phase Diagram for the System KOH + K <sub>2</sub> CrO <sub>4</sub> + KCl + H <sub>2</sub> O. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 1963-1966   | 2.8 | 3 |
| 26 | Effect of atmosphere on the synthesis of potassium titanate. <i>Rare Metals</i> , <b>2010</b> , 29, 280-285  | 5.5 | 3 |
| 25 | Leaching of vanadium, sodium, and silicon from molten V-Ti-bearing slag obtained from low-grade vanadium-bearing titanomagnetite. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2016</b> , 23, 898-905             | 3.1 | 3 |
| 24 | Effect of Electrode Length of an Electrical Capacitance Tomography Sensor on Gas/Solid Fluidized Bed Measurements. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 21827-21841                                    | 3.9 | 3 |
| 23 | Dispersed-Phase Holdup and Characteristic Velocity in an Agitated-Pulsed Solvent Extraction Column. <i>Chemical Engineering and Technology</i> , <b>2021</b> , 44, 600-613   | 2   | 3 |
| 22 | Water-Induced Structural Dynamic Process in Molecular Sieves under Mild Hydrothermal Conditions: Ship-in-a-Bottle Strategy for Acidity Identification and Catalyst Modification. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20853-20862   | 3.6 | 2 |
| 21 | Study on Dispersed-Phase Axial Dispersion in an Agitated/Pulsed Solvent Extraction Column with a Step Tracer Injection Technique. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 7454-7463                       | 3.9 | 2 |
| 20 | Competitive Binding-Modulated Metal/Phenolic Assemblies for Adaptable Nanofilm Engineering. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 4733-4744  | 9.6 | 2 |
| 19 | Antibacterial self-healing anticorrosion coatings from single capsule system. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51214   | 2.9 | 2 |
| 18 | Recovery of boron from brines with high magnesium content by solvent extraction using aliphatic alcohol.. <i>RSC Advances</i> , <b>2021</b> , 11, 16096-16105  | 3.7 | 2 |
| 17 | Novel palladium-gadolinium (Pd-Gd/C) bimetallic catalysts for electrooxidation of methanol in alkaline media. <i>Ionics</i> , <b>2018</b> , 24, 2421-2426  | 2.7 | 2 |
| 16 | Electrocatalysis of Pd/Br bimetallic catalysts for methanol oxidation in alkaline media. <i>Ionics</i> , <b>2020</b> , 26, 3459-3464   | 2.7 | 1 |
| 15 | Synthesis and characterization of Co <sub>3</sub> O <sub>4</sub> prepared from atmospheric pressure acid leach liquors of nickel laterite ores. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2018</b> , 25, 20-27 | 3.1 | 1 |
| 14 | Removal of zirconium from hydrous titanium dioxide. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2013</b> , 20, 1-8   | 3.1 | 1 |
| 13 | Mechano-Chemically Reduced Macro/Mesoporous Hierarchical Graphene for High-Performance Electric Double-Layer Capacitor Applications. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500123   | 6.4 | 1 |
| 12 | Coupling Pd nanoparticles on fine Ti <sub>4</sub> O <sub>7</sub> with oxygen vacancies as a high-activity, long-life ORR electrocatalyst. <i>Ionics</i> , <b>2021</b> , 27, 2571-2582  | 2.7 | 1 |

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|----|--|-----|---|
| 11 | Leaching of Titanium and Silicon from Low-Grade Titanium Slag Using Hydrochloric Acid Leaching. <i>Jom</i> , <b>2018</b> , 70, 1985-1990   | 2.1 | 1 |
| 10 | Design and Simulation of a Green Chromate Compound Production Process. <i>Chemical Engineering and Technology</i> , <b>2014</b> , 37, 1729-1735  | 2   | 0 |
| 9  | Kinetics on the Desiliconization during Alkaline Leaching of Titanium Slag. <i>Advanced Materials Research</i> , <b>2011</b> , 233-235, 1322-1327  | 0.5 | 0 |
| 8  | Reliable, environmentally friendly method for the recycling of spent Ag/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts using (NH <sub>4</sub> ) <sub>2</sub> Ce(NO <sub>3</sub> ) <sub>6</sub> . <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 2169-2175 | 3.2 | 0 |
| 7  | Polar NiFe layered double hydroxide nanosheets for enhancing the performance of lithium-sulfur batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 5780-5789  | 7.8 | 0 |
| 6  | Palladium-ytterbium bimetallic electrocatalysts supported on carbon black, titanium suboxide, or poly(diallyldimethylammonium chloride)-functionalized titanium suboxide towards methanol oxidation in alkaline media. <i>Ionics</i> , <b>2018</b> , 24, 3085-3094                 | 2.7 |   |
| 5  | Study on Thickness Control and Quantitative of Converter Lining. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 433-435, 2156-2163   | 0.3 |   |
| 4  | Molecular Design of Solvents for Extractive Distillation. <i>Advanced Materials Research</i> , <b>2011</b> , 233-235, 2938-2944  | 0.5 |   |
| 3  | Preparing Metatitanic Acid from Perovskite-Type Titanium Slag Using a Sulfuric-Chloric Mixture Acid. <i>Jom</i> , <b>2022</b> , 74, 1070   | 2.1 |   |
| 2  | Purification of specularite by centrifugation instead of flotation to produce iron oxide red pigment. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2021</b> , 28, 56-65   | 3.1 |   |
| 1  | Hydrodynamic Behavior Analysis of Agitated-Pulsed Column by CFD-PBM. <i>Solvent Extraction and Ion Exchange</i> , 1-22   | 2.5 |   |