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Applied Surface Science, 2008, 254, 2441-2449.

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2087	Investigation of the photodegradation properties of iron oxide doped mesoporous SBA-15 silica. <b>2013</b> , 20, 1009-1015	4
2086	Gold nanostar @ iron oxide core-shell nanostructures: synthesis, characterization, and demonstrated surface-enhanced Raman scattering properties. <b>2013</b> , 15, 1	23
2085	Nanosheet-based $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> hierarchical structure decorated with TiO <sub>2</sub> nanospheres via a simple one-pot route: Magnetically recyclable photocatalysts. <b>2013</b> , 580, 143-147	21
2084	Photocatalytic mineralization of carboxylic acids over Fe-loaded ZnS nanoparticles. <b>2013</b> , 48, 1668-1674	8
2083	Efficient Methane Conversion to Hydrogen by the Force-Activated Oxides on Iron Particle Surfaces. <b>2013</b> , 117, 16104-16118	17
2082	Phase Evolution and Growth of Iron Oxide Nanoparticles: Effect of Hydrazine Addition During Sonication. <b>2013</b> , 13, 3637-3644	41
2081	Multifunctional Fe <sub>3</sub> O <sub>4</sub> /graphene oxide nanocomposites for magnetic resonance imaging and drug delivery. <b>2013</b> , 141, 997-1004	102
2080	In Situ Loading Transition Metal Oxide Clusters on TiO <sub>2</sub> Nanosheets As Co-catalysts for Exceptional High Photoactivity. <b>2013</b> , 3, 2052-2061	135
2079	Fabrication of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanorod/RGO composite: a novel hybrid photocatalyst for phenol degradation. <b>2013</b> , 5, 9101-10	262
2078	Synthesis of nanosized Fe-Mn based Li-rich cathode materials for lithium-ion battery via a simple method. <b>2013</b> , 96, 291-297	22
2077	Heterogeneous Catalyst for the Selective Oxidation of Unactivated Hydrocarbons Based on a Tethered Metal-Coordinated Cavitand. <b>2013</b> , 3, 2154-2157	20
2076	Persulfate reactivity enhanced by Fe <sub>2</sub> O <sub>3</sub> /MnO and CaO/Fe <sub>2</sub> O <sub>3</sub> /MnO composite: Identification of composite and degradation of CCl <sub>4</sub> at various levels of pH. <b>2013</b> , 221, 72-80	37
2075	In Situ Redox Microfluidic Synthesis of Core-Shell Nanoparticles and Their Long-Term Stability. <b>2013</b> , 117, 17274-17284	28
2074	Potential and Limitations of Natural Chabazite for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2013</b> , 85, 632-641	7

2073	Deposition of gold from chloride solutions on microporous iron-carbon sorbents. <b>2013</b> , 86, 534-538	3
2072	Multiferroic and resistive switching behaviors in BiFe <sub>0.95</sub> Cr <sub>0.05</sub> O <sub>3</sub> thin films deposited on Pt/Ti/SiO <sub>2</sub> /Si substrates. <b>2013</b> , 113, 779-785	
2071	Complete oxidation of hydrocarbons on YFeO <sub>3</sub> and LaFeO <sub>3</sub> catalysts. <b>2013</b> , 231, 236-244	51
2070	Spectroscopic and DFT investigations on the corrosion inhibition behavior of tris(5-methyl-2-thioxo-1,3,4-thiadiazole)borate on high carbon steel and aluminium in HCl media. <b>2013</b> , 3, 23681	27
2069	Chemical State, Site, Solid Solubility, and Magnetism of Fe in the Ferroperricite (Mg <sub>1-x</sub> Fe <sub>x</sub> )O Produced by Ball Milling of MgO and Fe. <b>2013</b> , 44, 4551-4557	2
2068	Single-crystal rare earths manganites La <sub>1-x</sub> BixAyMnO <sub>3</sub> (A = Ba, Pb): Crystal structure, composition, and Mn ions valence state. X-ray diffraction and XPS study. <b>2013</b> , 186, 14-24	32
2067	Thermal expansion behavior of La-doped (Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> )O <sub>3</sub> cathode material. <b>2013</b> , 39, 8267-8271	9
2066	Enhanced photocatalytic activity of Fe <sub>2</sub> O <sub>3</sub> decorated Bi <sub>2</sub> O <sub>3</sub> . <i>Applied Surface Science</i> , <b>2013</b> , 284, 527-532	46
2065	Ferroelectric ternary solid solution of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbSnO <sub>3</sub> -PbTiO <sub>3</sub> with morphotropic phase boundary. <b>2013</b> , 39, 853-856	4
2064	Eu-doped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles with modified magnetic properties. <b>2013</b> , 201, 302-311	28
2063	Promotion of Hydrogenation of Organic Molecules by Incorporating Iron into Platinum Nanoparticle Catalysts: Displacement of Inactive Reaction Intermediates. <b>2013</b> , 3, 2371-2375	18
2062	Low Fe-doped Bi <sub>2</sub> O <sub>3</sub> photocatalyst with long wavelength response: Crystalline transition and mechanisms by first-principles calculation. <b>2013</b> , 563, 80-84	26
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2058	Formation of Iron Oxyfluoride Phase on the Surface of Nano-Fe <sub>3</sub> O <sub>4</sub> Conversion Compound for Electrochemical Energy Storage. <b>2013</b> , 4, 3798-3805	26
2057	Performance of FeOOH-brick based composite for Fe(II) removal from water in fixed bed column and mechanistic aspects. <b>2013</b> , 91, 2732-2742	15
2056	High rate capability of hydrogen annealed iron oxide-single walled carbon nanotube hybrid films for lithium-ion batteries. <b>2013</b> , 5, 10246-52	23

2055	Transition metal exchanged Zeolites: Characterization of the metal state and catalytic application in the methanol conversion to hydrocarbons. <b>2013</b> , 179, 30-39		31
2054	Study of the effect of the acid-base surface properties of ZnO, Fe <sub>2</sub> O <sub>3</sub> and ZnFe <sub>2</sub> O <sub>4</sub> oxides on their gas sensitivity to ethanol vapor. <b>2013</b> , 47, 1026-1030		36
2053	Electrochemical lithiation and passivation mechanisms of iron monosulfide thin film as negative electrode material for lithium-ion batteries studied by surface analytical techniques. <i>Applied Surface Science</i> , <b>2013</b> , 283, 888-899	6.7	32
2052	Highly selective bimetallic FeMoP catalyst for C-D bond cleavage of aryl ethers. <b>2013</b> , 305, 256-263		107
2051	Three-dimensional graphene foam supported Fe <sub>3</sub> O <sub>4</sub> /lithium battery anodes with long cycle life and high rate capability. <b>2013</b> , 13, 6136-43		670
2050	Iron- and Nitrogen-Functionalized Graphene Nanosheet and Nanoshell Composites as a Highly Active Electrocatalyst for Oxygen Reduction Reaction. <b>2013</b> , 117, 26501-26508		65
2049	Iron-containing SBA-15 as catalyst for partial oxidation of hydrogen sulfide. <b>2013</b> , 210, 117-123		31
2048	Anisotropically Alignable Magnetic Boron Nitride Platelets Decorated with Iron Oxide Nanoparticles. <b>2013</b> , 25, 3315-3319		85
2047	Controlled assembly of superparamagnetic iron oxide nanoparticles on electrospun PU nanofibrous membrane: A novel heat-generating substrate for magnetic hyperthermia application. <b>2013</b> , 49, 3796-3805		47
2046	Nanostructured Fe <sub>3</sub> O <sub>4</sub> /Ag electrocatalysts for the oxygen reduction reaction in alkaline media. <b>2013</b> , 1, 13337		31
2045	Well-dispersed, ultrasmall, superparamagnetic magnesium ferrite nanocrystallites with controlled hydrophilicity/hydrophobicity and high saturation magnetization. <b>2013</b> , 3, 13961		12
2044	Controlling Physical Properties of Iron Nanoparticles during Assembly by Click Chemistry <b>2013</b> , 117, 19974-19983		10
2043	Effect of the Specific Surface Sites on the Reducibility of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /Graphene Composites by Hydrogen. <b>2013</b> , 117, 20313-20319		12
2042	One-step solvothermal synthesis of highly water-soluble, negatively charged superparamagnetic Fe <sub>3</sub> O <sub>4</sub> colloidal nanocrystal clusters. <b>2013</b> , 5, 7026-33		164
2041	Immobilization of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles on PET Fiber by Low Temperature Hydrothermal Method. <b>2013</b> , 52, 7403-7412		13
2040	Facile one-pot synthesis of lepidocrocite ( $\gamma$ -FeOOH) nanoflakes for water treatment. <b>2013</b> , 37, 2551		34
2039	Superconductivity in Fe <sub>1.05</sub> Te:Ox single crystals. <b>2013</b> , 88,		15
2038	Study on factors controlling catalytic activity for low-temperature water-gas-shift reaction on Cu-based catalysts. <b>2013</b> , 201, 145-150		21

2037	Location and oxidation state of iron in Fe-substituted CuInS <sub>2</sub> chalcopyrites. <b>2013</b> , 197, 279-287	11
2036	Identification of iron species in FeSiBEA by DR UV-vis, XPS and Mössbauer spectroscopy: Influence of Fe content. <b>2013</b> , 168, 1-6	59
2035	Iron oxide magnetic nanoparticles with versatile surface functions based on dopamine anchors. <b>2013</b> , 5, 2692-702	99
2034	Desorption of Ambient Gas Molecules and Phase Transformation of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Nanostructures during Ultrahigh Vacuum Annealing. <b>2013</b> , 117, 1509-1517	8
2033	Highly sensitive detection of hydrogen peroxide based on nanoporous Fe <sub>3</sub> O <sub>4</sub> /CoO composites. <b>2013</b> , 42, 550-5	29
2032	Electrochemical and surface analytical investigation of the effects of Zn concentrations on characteristics of oxide films on 304 stainless steel in borated and lithiated high temperature water. <b>2013</b> , 108, 554-565	26
2031	Stabilization of tetragonal/cubic phase in Fe doped zirconia grown by atomic layer deposition. <b>2013</b> , 533, 83-87	14
2030	Effect of Co doping on the electrochemical properties of Sr <sub>2</sub> Fe <sub>1.5</sub> Mo <sub>0.5</sub> O <sub>6</sub> electrode for solid oxide fuel cell. <b>2013</b> , 38, 4108-4115	52
2029	Surfactant-assisted mild hydrothermal synthesis to nanostructured mixed orthophosphates LiMnyFe <sub>1-x</sub> PO <sub>4</sub> /C lithium insertion cathode materials. <b>2013</b> , 105, 99-109	21
2028	Laser surface cleaning of carbonaceous deposits on diesel engine piston. <i>Applied Surface Science</i> , <b>2013</b> , 270, 526-530	6.7 34
2027	High power and capacity of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> thin films cathodes prepared by pulsed laser deposition. <b>2013</b> , 102, 416-422	33
2026	Self-assembly of pyramid-like magnetites with hierarchical structures as lithium battery anode materials. <b>2013</b> , 93, 226-229	1
2025	Adsorption of n-octanohydroxamate collector on iron oxides. <b>2013</b> , 121, 70-89	26
2024	Ion-exchange pigments in primer paints for anticorrosive protection of steel in atmospheric service: Anion-exchange pigments. <b>2013</b> , 76, 411-424	19
2023	Electrochemical behavior of La <sub>0.8</sub> Sr <sub>0.2</sub> FeO <sub>3</sub> electrode with different porosities under cathodic and anodic polarization. <b>2013</b> , 39, 5263-5270	4
2022	Olivine as tar removal catalyst in biomass gasification: Catalyst dynamics under model conditions. <b>2013</b> , 130-131, 168-177	49
2021	BEA zeolite modified with iron as effective catalyst for N <sub>2</sub> O decomposition and selective reduction of NO with ammonia. <b>2013</b> , 138-139, 434-445	37
2020	High CO <sub>2</sub> and CO conversion to hydrocarbons using bridged Fe nanoparticles on carbon nanotubes. <b>2013</b> , 3, 1202	39

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2015	Simultaneous preparation of Ag/Fe <sub>3</sub> O <sub>4</sub> core-shell nanocomposites with enhanced magnetic moment and strong antibacterial and catalytic properties. <b>2013</b> , 226, 243-254	113
2014	Structure-Properties Relationship in Iron Oxide-Reduced Graphene Oxide Nanostructures for Li-Ion Batteries. <b>2013</b> , 23, 4293-4305	84
2013	Surface State Mediated NIR Two-Photon Fluorescence of Iron Oxides for Nonlinear Optical Microscopy. <b>2013</b> , 23, 2044-2051	18
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2007	Simultaneous removal of Cd(II) and ionic dyes from aqueous solution using magnetic graphene oxide nanocomposite as an adsorbent. <b>2013</b> , 226, 189-200	472
2006	Controlled Synthesis of Amine-Capped $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles by a One-Step Process. <b>2013</b> , 52, 7713-7717	14
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2003	Electric-field control of magnetism by reversible surface reduction and oxidation reactions. <b>2013</b> , 87,	38
2002	Characterization of chemical information and morphology for in-depth oxide layers in decarburized electrical steel with glow discharge sputtering. <b>2013</b> , 45, 1119-1128	16



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1998	Frictional behavior of self-adaptive nanostructural MoS <sub>2</sub> coatings in different sliding conditions. <b>2013</b> , 303, 286-296	29
1997	Relationship between coal ash composition and ash fusion temperatures. <b>2013</b> , 105, 293-300	135
1996	Magnetically separable Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanotubes for photodegradation of aqueous methyl orange. <b>2013</b> , 48, 785-789	12
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1979	Thermal stability and reduction of iron oxide nanowires at moderate temperatures. <b>2014</b> , 5, 323-8	6
1978	B-Fe <sub>2</sub> O <sub>3</sub> films for photoelectrochemical water oxidation Insights of key performance parameters. <b>2014</b> , 2, 20196-20202	41
1977	Enhanced ferroelectricity and ferromagnetism in Bi <sub>0.9</sub> Ba <sub>0.1</sub> FeO <sub>3</sub> /La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> heterostructure grown by pulsed laser deposition. <b>2014</b> , 23, 117703	
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1975	Study on Metal Chelation Adsorption of NO Using Fe(II)EDTA Solution in Power Plant. <b>2014</b> , 941-944, 945-951	
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1959	Effect of Cerium Doping on Morphology and Physical Properties of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Films Prepared by Hydrothermal Electrodeposition. <b>2014</b> , 58, 55-63	4
1958	Wear Behaviour of Nanocrystalline Fe <sub>88</sub> Si <sub>12</sub> Alloy in Water Environment. <b>2014</b> , 2014, 1-7	
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1946	Binder-free, self-standing films of iron oxide nanoparticles deposited on ionic liquid functionalized carbon nanotubes for lithium-ion battery anodes. <b>2014</b> , 144, 396-401	17
1945	Enhanced activity and reusability of TiO <sub>2</sub> loaded magnetic activated carbon for solar photocatalytic ozonation. <b>2014</b> , 144, 96-106	74
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1942	Iron(III) porphyrin anchored onto organosilylated multiwalled carbon nanotubes as an active catalyst for epoxidation reactions under mild conditions. <b>2014</b> , 49, 1494-1505	33
1941	Enhanced Electrochemical Performance of Maghemite/Graphene Nanosheets Composite as Electrode in Half and Full Li-Ion Cells. <b>2014</b> , 130, 551-558	41
1940	Sorption of Gold by Naked and Thiol-Capped Magnetite Nanoparticles: An XPS Approach. <b>2014</b> , 118, 2776-2791	56
1939	Enhanced Photocatalytic Performance of Supported Fe Doped ZnO Nanorod Arrays Prepared by Wet Chemical Method. <b>2014</b> , 144, 347-354	21
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1935	Synthesis of ZnFe <sub>2</sub> O <sub>4</sub> nanoplates by succinic acid-assisted hydrothermal route and their photocatalytic degradation of rhodamine B under visible light. <b>2014</b> , 2, 123-130	83
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1933	Carbon Modified Li-rich Cathode Materials Li <sub>1.26</sub> Fe <sub>0.22</sub> Mn <sub>0.52</sub> O <sub>2</sub> Synthesized via Molten Salt Method with Excellent Rate Ability for Li-ion Batteries. <b>2014</b> , 130, 66-75	29
1932	Mechanistic investigation of the charge storage process of pseudocapacitive Fe <sub>3</sub> O <sub>4</sub> nanorod film. <b>2014</b> , 120, 52-56	58
1931	Aqueous-based chemical route toward ambient preparation of multicomponent core-shell nanotubes. <b>2014</b> , 8, 4004-14	36
1930	Characteristics of iron-loaded TiO <sub>2</sub> -supported montmorillonite catalysts: Naphthol degradation under UV-A irradiation. <b>2014</b> , 89, 1155-1167	12

1929	Photocatalytic and antibacterial properties of Au-decorated Fe <sub>3</sub> O <sub>4</sub> @mTiO <sub>2</sub> core-shell microspheres. <b>2014</b> , 156-157, 314-322	52
1928	Facile synthesis of biocompatible superparamagnetic mesoporous nanoparticles for imageable drug delivery. <b>2014</b> , 195, 2-8	15
1927	Mesoporous SBA-15 promoted by 3d-transition and noble metals for catalytic combustion of acetonitrile. <b>2014</b> , 146, 79-93	58
1926	Effects of washing solution and drying condition on reactivity of nano-scale zero valent irons (nZVIs) synthesized by borohydride reduction. <b>2014</b> , 97, 146-52	38
1925	Facile fabrication of $\alpha$ -FeOOH nanorod/RGO composite: a robust photocatalyst for reduction of Cr(VI) under visible light irradiation. <b>2014</b> , 2, 10300-10312	177
1924	Photo-induced oxidation of Sb(III) on goethite. <b>2014</b> , 95, 295-300	48
1923	Mesoporous iron phosphate/phosphonate hybrid materials. <b>2014</b> , 187, 14-22	10
1922	Investigation of atomic layer deposition of magnesium oxide on a CoFeB layer for three-dimensional magnetic tunneling junctions. <b>2014</b> , 588, 716-719	9
1921	Synthesis of magnetic chitosan nanoparticle and its adsorption property for humic acid from aqueous solution. <b>2014</b> , 446, 179-189	77
1920	A simple, low-cost CVD route to thin films of BiFeO <sub>3</sub> for efficient water photo-oxidation. <b>2014</b> , 2, 2922	72
1919	Low-cost high-performance solid-state asymmetric supercapacitors based on MnO <sub>2</sub> nanowires and Fe <sub>2</sub> O <sub>3</sub> nanotubes. <b>2014</b> , 14, 731-6	916
1918	Amorphous vanadium oxide matrixes supporting hierarchical porous Fe <sub>3</sub> O <sub>4</sub> /graphene nanowires as a high-rate lithium storage anode. <b>2014</b> , 14, 6250-6	224
1917	Aqueous Li-ion cells with superior cycling performance using multi-channelled polyaniline/Fe <sub>2</sub> O <sub>3</sub> nanotube anodes. <b>2014</b> , 2, 20177-20181	10
1916	Hierarchical TiO <sub>2</sub> -B nanowire@ $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanothorn core-branch arrays as superior electrodes for lithium-ion microbatteries. <b>2014</b> , 7, 1797-1808	90
1915	Effect of the synthesis temperature of porous carbon-metal oxide composites on the gold particle morphology. <b>2014</b> , 88, 1762-1766	
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1913	Visible light induced hydrogen generation using a hollow photocatalyst with two cocatalysts separated on two surface sides. <b>2014</b> , 16, 5937-41	78
1912	Surface decoration of WO <sub>3</sub> architectures with Fe <sub>2</sub> O <sub>3</sub> nanoparticles for visible-light-driven photocatalysis. <b>2014</b> , 16, 3289	63

1911	Preparation of highly dispersed CeFe bimetallic oxides on graphene and their superior adsorption ability for Congo red. <b>2014</b> , 4, 4020-4027	18
1910	Topotactic fluorination of strontium iron oxide thin films using polyvinylidene fluoride. <b>2014</b> , 2, 5350-5356	32
1909	Fabrication of magnetically recoverable catalysts based on mixtures of Pd and iron oxide nanoparticles for hydrogenation of alkyne alcohols. <b>2014</b> , 6, 21652-60	78
1908	Desulfurization activity of metal oxides blended into walnut shell based activated carbons. <b>2014</b> , 89, 1565-1575	22
1907	Fluorinated mixed valence Fe(II)Fe(III) phosphites with channels templated by linear tetramine chains. Structural and magnetic implications of partial replacement of Fe(II) by Co(II). <b>2014</b> , 16, 6066-6079	3
1906	Plasma enhanced atomic layer deposition of Fe <sub>2</sub> O <sub>3</sub> thin films. <b>2014</b> , 2, 10662-10667	36
1905	Study of Fe <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> interface of ZrO <sub>2</sub> coating grown by hydrothermal process on stainless steel. <b>2014</b> , 258, 597-604	8
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1903	A thermally stable and easily recycled core-shell Fe <sub>2</sub> O <sub>3</sub> @CuMgAl catalyst for hydrogenolysis of glycerol. <b>2014</b> , 4, 912-916	16
1902	Boron-doped carbon-iron nanocomposites as efficient oxygen reduction electrocatalysts derived from carbon dioxide. <b>2014</b> , 50, 6349-52	36
1901	Isomorphous substitution of Cr by Fe in MIL-101 framework and its application as a novel heterogeneous photo-Fenton catalyst for reactive dye degradation. <b>2014</b> , 4, 41185-41194	96
1900	Evidence of the oxygen vacancies-induced room-temperature ferromagnetism in the (In <sub>0.97</sub> Fe <sub>x</sub> Sn <sub>0.03</sub> ) <sub>2</sub> O <sub>3</sub> films. <b>2014</b> , 4, 33680	13
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1898	Improved Al <sub>2</sub> O <sub>3</sub> -supported Pd and Rh catalysts for hydrodechlorination of chlorophenols. <b>2014</b> , 488, 78-85	33
1897	Facile synthesis of magnetic nanocomposites of cellulose@ultrasmall iron oxide nanoparticles for water treatment. <b>2014</b> , 4, 22632-22641	42
1896	Study of superconducting properties of ferrocene-added MgB <sub>2</sub> . <b>2014</b> , 211, 1503-1511	1
1895	X-ray photoelectron spectroscopy of transition metal ions attached to the surface of rod-shape anatase TiO <sub>2</sub> nanocrystals. <b>2014</b> , 422, 8-13	14
1894	Effect of heat treatment in air on surface composition of iron-phosphate based soft magnetic composite components. <b>2014</b> , 189, 90-99	21

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1890	Superspin glass behavior of amorphous FeO/SiO <sub>2</sub> thin films. <b>2014</b> , 53, 05FB11	1
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1887	Effect of iron oxide reductive dissolution on the transformation and immobilization of arsenic in soils: New insights from X-ray photoelectron and X-ray absorption spectroscopy. <b>2014</b> , 279, 212-9	57
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1884	Structural and photoelectrochemical properties of porous TiO <sub>2</sub> nanofibers decorated with Fe <sub>2</sub> O <sub>3</sub> by sol-flame. <b>2014</b> , 16, 1	22
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1880	Engineering chiral Fe(salen)-based metal-organic frameworks for asymmetric sulfide oxidation. <b>2014</b> , 50, 8775-8	63
1879	Improving SERS activity of inositol hexaphosphate capped silver nanoparticles: Fe <sup>3+</sup> as a switcher. <b>2014</b> , 53, 7227-32	14
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1874	Paramagnetic iron-doped hydroxyapatite nanoparticles with improved metal sorption properties. A bioorganic substrates-mediated synthesis. <b>2014</b> , 6, 3937-46		55
1873	Nanotechnology for Sustainable Development. <b>2014</b> ,		11
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1862	Template-free hydrothermal synthesis of Li <sub>2</sub> FeSiO <sub>4</sub> hollow spheres as cathode materials for lithium-ion batteries. <b>2014</b> , 2, 12982		55
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1858	Reduction of jarosite by <i>Shewanella oneidensis</i> MR-1 and secondary mineralization. <b>2014</b> , 124, 54-71		37

1857	Effect of Pyrite in Precursor on Capacitance Behavior of Prepared Activated Carbon. <b>2014</b> , 53, 10125-10132	8
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1854	Friction and wear behaviors of catalytic methylesterified bio-oil. <b>2014</b> , 71, 168-174	31
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1847	Tribological and tribochemical properties of magnetite nanoflakes as additives in oil lubricants. <b>2014</b> , 17, 136-144	31
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1845	TGA-FTIR investigation of chemical looping combustion by coal with CoFe <sub>2</sub> O <sub>4</sub> combined oxygen carrier. <b>2014</b> , 105, 369-378	33
1844	Fretting wear behavior of Inconel 690 in hydrazine environments. <b>2014</b> , 24, 360-367	20
1843	Evolution of transfer layers on steel balls sliding against hydrogenated amorphous carbon coatings in ambient air. <b>2014</b> , 70, 42-51	12
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1838	Mechanistic approach for evaluation of the corrosion inhibition of potassium zinc phosphate pigment on the steel surface: Application of surface analysis and electrochemical techniques. <b>2014</b> , 109, 189-199	55
1837	Influence of microwave irradiation on ilmenite flotation behavior in the presence of different gangue minerals. <b>2014</b> , 132, 401-412	59
1836	Antibacterial activity and cytocompatibility of titanium oxide coating modified by iron ion implantation. <b>2014</b> , 10, 4505-17	48
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1834	Synthesis of carbon-coated magnetic nanocomposite (Fe <sub>3</sub> O <sub>4</sub> @C) and its application for sulfonamide antibiotics removal from water. <b>2014</b> , 26, 962-9	67
1833	Chemical looping capabilities of olivine, used as a catalyst in indirect biomass gasification. <b>2014</b> , 145, 216-222	38
1832	Field emission from $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoflakes: Effect of vacuum pressure, gas adsorption and in-situ thermal treatment. <i>Applied Surface Science</i> , <b>2014</b> , 292, 454-461	6.7 14
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1829	Single-step gas phase synthesis of stable iron aluminide nanoparticles with soft magnetic properties. <b>2014</b> , 2, 116105	16
1828	Characterization of Fe <sub>3</sub> Nb sputtered thin films. <b>2015</b> , 86, 36-41	3
1827	Deposition and Characterization of CIGS Thin Films Deposited by Chemical Spray Process. <b>2015</b> , 617, 186-194	
1826	Formation of CaFe <sub>2</sub> O <sub>4</sub> porous structure by addition of Zr in malic acid complex. <b>2015</b> , 123, 995-998	1
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1822	Electrochemical and Top-Down 3D Ion-Carving to Change Magnetic Properties. <b>2015</b> , 25, 6250-6256	5

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1820	Composition and corrosion protection of hexafluorozirconic acid treatment on steel. <b>2015</b> , 66, 1215-1222	20
1819	Facile Synthesis of Highly Efficient p-n Heterojunction CuO/BiFeO <sub>3</sub> Composite Photocatalysts with Enhanced Visible-Light Photocatalytic Activity. <b>2015</b> , 7, 3279-3289	77
1818	Phase composition and structure of iron oxide nanopowders prepared by chemical means. <b>2015</b> , 79, 1106-1112	9
1817	XPS, FTIR, EDX, and XRD Analysis of Al <sub>2</sub> O <sub>3</sub> Scales Grown on PM2000 Alloy. <b>2015</b> , 2015, 1-16	103
1816	Bead-like structures and self-assembled monolayers from 2,6-dipyrazolylpyridines and their iron(II) complexes. <b>2015</b> , 3, 7890-7896	21
1815	A facile one-step fabrication of novel WO <sub>3</sub> /Fe <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> ·10.7H <sub>2</sub> O porous microplates with remarkable photocatalytic activities. <b>2015</b> , 17, 4809-4817	14
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1808	Synergistic improving of tribological properties of amorphous carbon film enhanced by FSi-doped multilayer structure under corrosive environment. <b>2015</b> , 276, 626-635	17
1807	Magnetic studies of mesoporous nanostructured iron oxide materials synthesized by one-step soft-templating. <b>2015</b> , 44, 11943-53	12
1806	Photoelectrochemical and XPS characterisation of oxide layers on 316L stainless steel grown in high-temperature water. <b>2015</b> , 19, 3511-3519	27
1805	Mesoporous Fe <sub>2</sub> O <sub>3</sub> flakes of high aspect ratio encased within thin carbon skeleton for superior lithium-ion battery anodes. <b>2015</b> , 3, 14178-14187	37
1804	Exploiting the dynamic Sn diffusion from deformation of FTO to boost the photocurrent performance of hematite photoanodes. <b>2015</b> , 141, 71-79	43

1803	Microwave-assisted optimization of the manganese redox states for enhanced capacity and capacity retention of $\text{LiAl}_x\text{Mn}_{2-x}\text{O}_4$ ( $x = 0$ and $0.3$ ) spinel materials. <b>2015</b> , 5, 32256-32262	24
1802	Stabilization of iron by manganese promoters in uniform bimetallic FeMn Fischer-Tropsch model catalysts prepared from colloidal nanoparticles. <b>2015</b> , 1, 101-109	18
1801	Fe-Based Soft Magnetic Composites With High $B_{\text{max}}$ and Low Core Loss by Acidic Bluing Coating. <b>2015</b> , 51, 1-4	1
1800	Nanoring Arrays on Fe Coated Substrate: Formation and Guidance for the Growth of Hierarchical CNTs. <b>2015</b> , 31, 13327-33	
1799	A novel electrochemical sensor based on $\text{Fe}_2\text{O}_3$ nanoparticles/N-doped graphene for electrocatalytic oxidation of L-cysteine. <b>2015</b> , 19, 3613-3620	19
1798	Chemical states of air annealed $\text{Sr}_3\text{Co}_2\text{Fe}_{24}\text{O}_{41}$ Z-type hexaferrite- an X-ray photoelectron spectroscopy study. <b>2015</b> , 30, A181-A185	2
1797	Magnetic anisotropy related to strain and thickness of ultrathin iron oxide films on $\text{MgO}(001)$ . <b>2015</b> , 2, 016101	11
1796	Interaction of sulfur with iron compounds in sodium aluminate solutions. <b>2015</b> , 25, 608-614	19
1795	Surface modification of a cobalt-free layered $\text{Li}[\text{Li}_{0.2}\text{Fe}_{0.1}\text{Ni}_{0.15}\text{Mn}_{0.55}]\text{O}_2$ oxide with the $\text{FePO}_4/\text{Li}_3\text{PO}_4$ composite as the cathode for lithium-ion batteries. <b>2015</b> , 3, 9528-9537	31
1794	High performance epoxy protective coatings incorporated with polyaniline nanowires using cardanol-based phenalkamine as the curing agent. <b>2015</b> , 5, 11378-11384	24
1793	Removing phosphorus from aqueous solutions by using iron-modified corn straw biochar. <b>2015</b> , 9, 1066-1075	53
1792	Controlled Morphologies and Intrinsic Magnetic Properties of Chemically Synthesized Large-Grain FeCo Particles. <b>2015</b> , 28, 1863-1869	12
1791	Growth and surface modification of $\text{LaFeO}_3$ thin films induced by reductive annealing. <i>Applied Surface Science</i> , <b>2015</b> , 330, 309-315	6.7 4
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1789	Reduction of Cu-Promoted Fe Model Catalysts Studied by In Situ Indirect Nanoplasmonic Sensing and X-ray Photoelectron Spectroscopy. <b>2015</b> , 119, 4085-4094	16
1788	Incommensurate Growth of Thin and Ultrathin Films of Single-Phase $\text{Fe}_3\text{O}_4(001)$ on $\text{SrTiO}_3(001)$ . <b>2015</b> , 119, 1108-1112	13
1787	Influence of Calcination Temperatures on the Desulfurization Performance of Fe Supported Activated Carbons Treated by $\text{HNO}_3$ . <b>2015</b> , 54, 1261-1270	18
1786	Growth of Ultrathin Iron Oxide Films on $\text{Ag}(100)$ . <b>2015</b> , 119, 2572-2582	28

1785	Metal-organic framework derived ZnO/ZnFe <sub>2</sub> O <sub>4</sub> /C nanocages as stable cathode material for reversible lithium-oxygen batteries. <b>2015</b> , 7, 4947-54	92
1784	Nanocomposites of graphene oxide, Ag nanoparticles, and magnetic ferrite nanoparticles for elemental mercury (Hg <sup>0</sup> ) removal. <b>2015</b> , 5, 15634-15640	31
1783	A Facile Solvothermal Synthesis of Octahedral Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <b>2015</b> , 11, 2649-53	41
1782	Influence of iron state and acidity of zeolites on the catalytic activity of FeHBEA, FeHZSM-5 and FeHMOR in SCR of NO with NH <sub>3</sub> and N <sub>2</sub> O decomposition. <b>2015</b> , 203, 73-85	77
1781	Polyoxometalates confined in the mesoporous cages of metal-organic framework MIL-100(Fe): Efficient heterogeneous catalysts for esterification and acetalization reactions. <b>2015</b> , 269, 236-244	98
1780	Multifunctional AlPO <sub>4</sub> coating for improving electrochemical properties of low-cost Li[Li <sub>0.2</sub> Fe <sub>0.1</sub> Ni <sub>0.15</sub> Mn <sub>0.55</sub> ]O <sub>2</sub> cathode materials for lithium-ion batteries. <b>2015</b> , 7, 3773-81	160
1779	Ferrocene-Functionalized Graphene Oxide Nanosheets: Efficient Electronic Communication between Ferrocene Centers across Graphene Nanosheets. <b>2015</b> , 156, 267-273	25
1778	One-step fabrication and characterization of hierarchical MgFe <sub>2</sub> O <sub>4</sub> microspheres and their application for lead removal. <b>2015</b> , 207, 170-178	64
1777	Sugar and pH dual-responsive snap-top nanocarriers based on mesoporous silica-coated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles for cargo delivery. <b>2015</b> , 51, 4237-40	63
1776	Fe <sub>3</sub> -xCu <sub>x</sub> O <sub>4</sub> as highly active heterogeneous Fenton-like catalysts toward elemental mercury removal. <b>2015</b> , 125, 16-24	41
1775	A highly durable p-LaFeO <sub>3</sub> /n-Fe <sub>2</sub> O <sub>3</sub> photocell for effective water splitting under visible light. <b>2015</b> , 51, 3630-3	69
1774	Magnetically retrievable lepidocrocite supported copper oxide nanocatalyst (Fe <sub>2</sub> LiO) for N-arylation of imidazole. <b>2015</b> , 5, 8571-8578	15
1773	Effect of N and S co-doping of multiwalled carbon nanotubes for the oxygen reduction. <b>2015</b> , 157, 158-165	46
1772	Controlled formation of mixed nanoscale domains of high capacity Fe <sub>2</sub> O <sub>3</sub> -FeF <sub>3</sub> conversion compounds by direct fluorination. <b>2015</b> , 9, 2530-9	41
1771	Chemical-loop reforming of ethanol over metal ferrites: An analysis of structural features affecting reactivity. <b>2015</b> , 40, 5264-5271	26
1770	Effect of crystal chemistry and surface properties on ilmenite flotation behavior. <b>2015</b> , 137, 71-81	46
1769	Fine-Tuning Pulse Reverse Electrodeposition for Enhanced Photoelectrochemical Water Oxidation Performance of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Photoanodes. <b>2015</b> , 119, 5281-5292	25
1768	Observation of direct magneto-dielectric behaviour in Lu <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> above room-temperature. <b>2015</b> , 17, 17688-98	11

1767	Layer-stacked cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) mesoporous platelets for high-performance lithium ion battery anodes. <b>2015</b> , 3, 6990-6997	91
1766	Metallic, oxygen-containing reaction products after polarisation of iron in H <sub>2</sub> S saturated saline solutions. <b>2015</b> , 98, 725-736	13
1765	Synthesis of Pt/BiFeO <sub>3</sub> heterostructured photocatalysts for highly efficient visible-light photocatalytic performances. <b>2015</b> , 143, 386-396	98
1764	Hydrothermal synthesis of Fe <sub>2</sub> O <sub>3</sub> /polypyrrole/graphene oxide composites as highly efficient electrocatalysts for oxygen reduction reaction in alkaline electrolyte. <b>2015</b> , 178, 179-189	48
1763	Tribological evaluation of contact-charged electrostatic spray lubrication as a new near-dry machining technique. <b>2015</b> , 91, 74-84	22
1762	Comparison of U(VI) adsorption onto nanoscale zero-valent iron and red soil in the presence of U(VI)-CO <sub>3</sub> /Ca-U(VI)-CO <sub>3</sub> complexes. <b>2015</b> , 300, 633-642	70
1761	A Facile Potential-Induced In-Situ Ion Removal Trick: Fabrication of High-Selective Ion-Imprinted Film for Trivalent Yttrium Ion Separation. <b>2015</b> , 176, 1313-1323	31
1760	High-Efficiency Simultaneous Oxidation of Organoarsenic and Immobilization of Arsenic in Fenton Enhanced Plasma System. <b>2015</b> , 54, 8277-8286	29
1759	Synthesis of glucose-mediated Ag/Fe <sub>2</sub> O <sub>3</sub> multifunctional nanocomposites in aqueous medium □ a kinetic analysis of their catalytic activity for 4-nitrophenol reduction. <b>2015</b> , 17, 4786-4799	24
1758	Control of the nanostructure in percolative multiferroic composites on the dielectric loss and magnetism threshold. <b>2015</b> , 3, 9076-9088	15
1757	A near-wearless and extremely long lifetime amorphous carbon film under high vacuum. <b>2015</b> , 5, 11119	31
1756	Elucidation of reaction network of higher alcohol synthesis over modified FT catalysts by probe molecule experiments. <b>2015</b> , 5, 4224-4232	19
1755	Graphene activated 3D-hierarchical flower-like Li <sub>2</sub> FeSiO <sub>4</sub> for high-performance lithium-ion batteries. <b>2015</b> , 3, 16567-16573	46
1754	Metalworking fluidsMechanisms and performance. <b>2015</b> , 64, 605-628	212
1753	ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles: Synthesis, characterization, and enhanced gas sensing property for acetone. <b>2015</b> , 221, 55-62	91
1752	Grain size and stoichiometry control over RF-sputtered multiferroic BiFeO <sub>3</sub> thin films on silicon substrates. <b>2015</b> , 589, 551-555	6
1751	Modification of a thin layer of □-Fe <sub>2</sub> O <sub>3</sub> onto a largely voided TiO <sub>2</sub> nanorod array as a photoanode to significantly improve the photoelectrochemical performance toward water oxidation. <b>2015</b> , 5, 62611-62618 <sup>24</sup>	
1750	Nano surface engineering of Mn <sub>2</sub> O <sub>3</sub> for potential light-harvesting application. <b>2015</b> , 3, 8200-8211	53

1749	Iron and iron oxide nanoparticles obtained by ultra-short laser ablation in liquid. <i>Applied Surface Science</i> , <b>2015</b> , 353, 433-438	6.7	36
1748	Structure and morphology of epitaxially grown Fe <sub>3</sub> O <sub>4</sub> /NiO bilayers on MgO(001). <b>2015</b> , 589, 526-533		8
1747	A mild synthetic route to Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> -Au composites: preparation, characterization and photocatalytic activity. <i>Applied Surface Science</i> , <b>2015</b> , 353, 1117-1125	6.7	51
1746	□-Fe <sub>2</sub> O <sub>3</sub> @PANI Core-Shell Nanowire Arrays as Negative Electrodes for Asymmetric Supercapacitors. <b>2015</b> , 7, 14843-50		303
1745	Tribological Performance and Lubrication Mechanism of Contact-Charged Electrostatic Spray Lubrication Technique. <b>2015</b> , 59, 1		9
1744	Spherical V-Fe-MCM-48: The Synthesis, Characterization and Hydrothermal Stability. <b>2015</b> , 8, 1752-1765		18
1743	Niobium substituted magnetite as a strong heterogeneous Fenton catalyst for wastewater treatment. <i>Applied Surface Science</i> , <b>2015</b> , 351, 175-187	6.7	35
1742	Fe-doped nanostructured titanates synthesized in a single step route. <b>2015</b> , 99, 150-159		8
1741	Applications of surface analytical techniques in Earth Sciences. <b>2015</b> , 70, 86-133		32
1740	The corrosion inhibitive properties of various kinds of potassium zinc phosphate pigments: Solution phase and coating phase studies. <b>2015</b> , 85, 109-122		32
1739	Synthesis of monosodium salts of N-(5-nitro-salicylidene)-D-amino acid Schiff bases and their iron(III) complexes: spectral and physical characterizations, antioxidant activities. <b>2015</b> , 68, 2565-2585		11
1738	Low temperature selective catalytic reduction of NO by C <sub>3</sub> H <sub>6</sub> over CeO <sub>x</sub> loaded on AC treated by HNO <sub>3</sub> . <b>2015</b> , 33, 371-381		13
1737	Delafossite CuFeO <sub>2</sub> thin films electrochemically grown from a DMSO based solution. <b>2015</b> , 164, 297-306		13
1736	Effect of CoFe <sub>2</sub> O <sub>4</sub> layer and (Gd, Mn) co-substitution on multiferroic properties of BiFeO <sub>3</sub> films. <b>2015</b> , 638, 320-323		6
1735	Phase control of iron oxides grown in nano-scale structures on FTO and Si(100): Hematite, maghemite and magnetite. <b>2015</b> , 117, 85-90		7
1734	Highly efficient nanosized Mn and Fe codoped ceria-based solid solutions for elemental mercury removal at low flue gas temperatures. <b>2015</b> , 5, 2913-2924		71
1733	Surface Modification and Enhanced Performance of Chemically Synthesized Nanosized Amorphous Fe Particles. <b>2015</b> , 28, 2177-2182		11
1732	Influence of N addition in mesoporous carbons used as supports of Pt, Pd and Ru for toluene hydrogenation and iron oxide for benzene oxidation. <b>2015</b> , 115, 263-282		10

1731	Electroreduction of Iron(III) Oxide Pellets to Iron in Alkaline Media: A Typical Shrinking-Core Reaction Process. <b>2015</b> , 46, 1262-1274	19
1730	Improvement in flexibility and volumetric performance for supercapacitor application and the effect of Ni/Fe ratio on electrode behaviour. <b>2015</b> , 3, 7607-7615	24
1729	Enhanced Raman sensitivity and magnetic separation for urolithiasis detection using phosphonic acid-terminated FeO nanoclusters. <b>2015</b> , 3, 4282-4290	19
1728	Multi-susceptible single-phased ceramics with both considerable magnetic and dielectric properties by selectively doping. <b>2015</b> , 5, 9498	39
1727	Green Synthesis of Rice Bran Microsphere Catalysts Containing Natural Biopromoters. <b>2015</b> , 7, 1642-1645	13
1726	Investigation of aliovalent transition metal doped La <sub>0.7</sub> Ca <sub>0.3</sub> Cr <sub>0.8</sub> X <sub>0.2</sub> O <sub>3</sub> (X=Ti, Mn, Fe, Co, and Ni) as electrode materials for symmetric solid oxide fuel cells. <b>2015</b> , 41, 10878-10890	19
1725	Facile synthesis of zeolite-encapsulated iron oxide nanoparticles as superior catalysts for phenol oxidation. <b>2015</b> , 5, 29509-29512	14
1724	Mechanosynthesis and multiferroic properties of the BiFeO <sub>3</sub> BiMnO <sub>3</sub> PbTiO <sub>3</sub> ternary system along its morphotropic phase boundary. <b>2015</b> , 3, 2255-2265	26
1723	The stability and surface termination of hexagonal LuFeO <sub>3</sub> . <b>2015</b> , 27, 175004	8
1722	Synthesis, characterization of magnetic-sepiolite supported with TiO <sub>2</sub> , and the photocatalytic performance over Cr(VI) and 2,4-dichlorophenol co-existed wastewater. <b>2015</b> , 638, 435-442	39
1721	Impact of Iron Incorporation on 24 nm Size Silicon Nanoparticles Properties. <b>2015</b> , 119, 5739-5746	12
1720	Effective adsorption of Cr(VI) on mesoporous Fe-functionalized Akadama clay: Optimization, selectivity, and mechanism. <i>Applied Surface Science</i> , <b>2015</b> , 344, 128-136	6.7 51
1719	Effect of Ce Doping on the Performance and Stability of Strontium Cobalt Ferrite Perovskites as SOFC Anode Catalysts. <b>2015</b> , 58, 359-374	14
1718	The effect of pore size or iron particle size on the formation of light olefins in Fischer-Tropsch synthesis. <b>2015</b> , 5, 29002-29007	46
1717	Fabrication and properties of thermal sprayed stainless steel-based nanocomposite coatings. <b>2015</b> , 272, 96-101	4
1716	A core-shell nanohollow-Fe <sub>2</sub> O <sub>3</sub> @graphene hybrid prepared through the Kirkendall process as a high performance anode material for lithium ion batteries. <b>2015</b> , 51, 7855-8	69
1715	A study of the oxidation of FeCrAl alloy in pressurized water and high-temperature steam environment. <b>2015</b> , 94, 459-465	94
1714	Effect of Fe modification on H <sub>2</sub> S sensing properties of rheotaxially grown and thermally oxidized SnO <sub>2</sub> thin films. <b>2015</b> , 156, 227-237	14



1713	Impact of magnetic field parameters and iron oxide nanoparticle properties on heat generation for use in magnetic hyperthermia. <b>2015</b> , 387, 96-106	111
1712	Iron-doped nickel oxide nanocrystals as highly efficient electrocatalysts for alkaline water splitting. <b>2015</b> , 9, 5180-8	362
1711	Structure and properties of Fe <sub>3</sub> O <sub>4</sub> films grown on ZnO template via metal organic chemical vapor deposition. <b>2015</b> , 385, 257-264	18
1710	Jarosite Nanosheets Fabricated via Room-Temperature Synthesis as Cathode Materials for High-Rate Lithium Ion Batteries. <b>2015</b> , 27, 3143-3149	25
1709	Enhanced Photoreduction CO <sub>2</sub> Activity over Direct Z-Scheme $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> /Cu <sub>2</sub> O Heterostructures under Visible Light Irradiation. <b>2015</b> , 7, 8631-9	273
1708	In-situ TEM examination and exceptional long-term cyclic stability of ultrafine Fe <sub>3</sub> O <sub>4</sub> nanocrystal/carbon nanofiber composite electrodes. <b>2015</b> , 1, 25-34	37
1707	Surface and bulk study of strontium-rich chromium ferrite oxide as a robust solid oxide fuel cell cathode. <b>2015</b> , 3, 22614-22626	29
1706	Sodium Dodecyl Sulfate Modified FeCo <sub>2</sub> O <sub>4</sub> with Enhanced Fenton-Like Activity at Neutral pH. <b>2015</b> , 119, 23068-23074	57
1705	Controlled one-step synthesis of Pt decorated octahedral Fe <sub>3</sub> O <sub>4</sub> and its excellent catalytic performance for CO oxidation. <b>2015</b> , 7, 17855-60	16
1704	Investigation into the use of cement kiln dust in high density sludge (HDS) treatment of acid mine water. <b>2015</b> , 85, 443-50	16
1703	Magnetic Spectra and Richter Aftereffect Relaxation in Zirconium-Doped Yttrium Iron Garnet Ferrites. <b>2015</b> , 51, 1-4	2
1702	Anomalous room temperature magnetoresistance in brownmillerite Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> . <b>2015</b> , 5, 92549-92553	17
1701	Investigation of physicochemical properties and catalytic activity of nanostructured Ce <sub>0.7</sub> M <sub>0.3</sub> O <sub>2</sub> (M = Mn, Fe, Co) solid solutions for CO oxidation. <b>2015</b> , 127, 1347-1360	9
1700	Catalytic purification of acrylonitrile-containing exhaust gases from petrochemical industry by metal-doped mesoporous zeolites. <b>2015</b> , 258, 17-27	14
1699	NaF-assisted hydrothermal synthesis of Ti-doped hematite nanocubes with enhanced photoelectrochemical activity for water splitting. <i>Applied Surface Science</i> , <b>2015</b> , 359, 805-811	6.7 25
1698	Preparation of the moon-white glaze by carbothermic reduction of Fe <sub>2</sub> O <sub>3</sub> and SiC. <b>2015</b> , 35, 4603-4609	6
1697	Fast electrosynthesis of Fe-containing layered double hydroxide arrays toward highly efficient electrocatalytic oxidation reactions. <b>2015</b> , 6, 6624-6631	299
1696	Photoinduced reduction of surface states in Fe:ZnO. <b>2015</b> , 142, 204703	3



1695	Nanoscale Heterostructures Based on Fe <sub>2</sub> O <sub>3</sub> @WO <sub>3</sub> -x Nanoneedles and Their Direct Integration into Flexible Transducing Platforms for Toluene Sensing. <b>2015</b> , 7, 18638-49	62
1694	One-step synthesis of ternary MnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /FeO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /CNT catalysts for use in low-temperature NO reduction with NH <sub>3</sub> . <b>2015</b> , 71, 46-50	20
1693	Rh promoted La <sub>0.75</sub> Sr <sub>0.25</sub> (Fe <sub>0.8</sub> Co <sub>0.2</sub> ) <sub>1-x</sub> GaxO <sub>3</sub> - $\gamma$ perovskite catalysts: Characterization and catalytic performance for methane partial oxidation to synthesis gas. <i>Applied Surface Science</i> , <b>2015</b> , 357, 45-54	6.7 30
1692	Rational synthesis of zerovalent iron/bamboo charcoal composites with high saturation magnetization. <b>2015</b> , 5, 88703-88709	12
1691	Electrochemical and adhesion properties of hydrothermally deposited nano-ZrO <sub>2</sub> coatings on oxide layers of stainless steel. <b>2015</b> , 281, 98-108	8
1690	Enhanced catalytic ability of chitosan- $\gamma$ -Fe bimetal complex for the removal of dyes in aqueous solution. <b>2015</b> , 5, 90731-90741	50
1689	1,10-phenanthroline metal complex covalently bonding to poly- (pyrrole-3-carboxylic acid)-coated carbon: An efficient electrocatalyst for oxygen reduction. <b>2015</b> , 180, 86-95	22
1688	A magnetically recyclable Fe <sub>3</sub> O <sub>4</sub> @C@TNCuPc composite catalyst for chromogenic identification of phenolic pollutants. <b>2015</b> , 410, 193-201	8
1687	Hydrogenated Oxygen-Deficient Blue Anatase as Anode for High-Performance Lithium Batteries. <b>2015</b> , 7, 23431-8	55
1686	Preparation of amino-Fe(III) functionalized mesoporous silica for synergistic adsorption of tetracycline and copper. <b>2015</b> , 138, 625-32	114
1685	Synthesis, characterization and catalytic performance of FeMnTiO <sub>x</sub> mixed oxides catalyst prepared by a CTAB-assisted process for mid-low temperature NH <sub>3</sub> -SCR. <b>2015</b> , 505, 235-242	63
1684	Partial nitrogen atom transfer: a new synthetic tool to design single-molecule magnets. <b>2015</b> , 54, 9075-80	15
1683	Size-controlled synthesis of water-dispersible superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoclusters and their magnetic responsiveness. <b>2015</b> , 5, 75292-75299	40
1682	Facile fabrication of composited Mn <sub>3</sub> O <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> nanoflowers with high electrochemical performance as anode material for lithium ion batteries. <b>2015</b> , 180, 493-500	35
1681	Faraday effect of bismuth iron garnet thin film prepared by mist CVD method. <b>2015</b> , 54, 063001	12
1680	Preparation, characterization, and properties of monolithic Fe/Al <sub>2</sub> O <sub>3</sub> /cordierite catalysts for NO reduction with C <sub>2</sub> H <sub>6</sub> . <b>2015</b> , 505, 402-409	25
1679	Effects of rapid thermal annealing for E-beam evaporated Ag films on stainless steel substrates. <b>2015</b> , 278, 18-24	2
1678	Deep ultraviolet emission photoluminescence and high luminescence efficiency of ferric passivated graphene quantum dots: Strong negative inductive effect of Fe. <b>2015</b> , 209, 468-472	25

1677	CMC-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles as new MRI probes for hepatocellular carcinoma. <i>Applied Surface Science</i> , <b>2015</b> , 356, 972-977	6.7	60
1676	Comparison of the effects of microcrystalline cellulose and cellulose nanocrystals on Fe <sub>3</sub> O <sub>4</sub> /C nanocomposites. <b>2015</b> , 5, 74198-74205		15
1675	Functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles: influence of ligand addition sequence and pH during their continuous hydrothermal synthesis. <b>2015</b> , 5, 78614-78624		5
1674	Iron(II) molybdate (FeMoO <sub>4</sub> ) nanorods as a high-performance anode for lithium ion batteries: structural and chemical evolution upon cycling. <b>2015</b> , 3, 20527-20534		106
1673	Visible-light driven water splitting over BiFeO <sub>3</sub> photoanodes grown via the LPCVD reaction of [Bi(OtBu)] <sub>3</sub> and [Fe(OtBu)] <sub>3</sub> and enhanced with a surface nickel oxygen evolution catalyst. <b>2015</b> , 7, 16343-53		47
1672	Structural-controlled chemical synthesis of nanosized amorphous Fe particles and their improved performances. <b>2015</b> , 651, 551-556		18
1671	Facile solvothermal synthesis of Ag/Fe <sub>3</sub> O <sub>4</sub> nanocomposites and their SERS applications in on-line monitoring of pesticide contaminated water. <b>2015</b> , 5, 102610-102618		25
1670	Synergy between FeOX and CuOX in FeCuOX/TiO <sub>2</sub> -hBN composites for NO reduction with NH <sub>3</sub> . <b>2015</b> , 409, 183-190		13
1669	Synthesis and characterization of a CaFe <sub>2</sub> O <sub>4</sub> catalyst for oleic acid esterification. <b>2015</b> , 5, 100362-100368		19
1668	Effects of spin entropy and lattice strain from mixed-trivalent Fe <sup>3+</sup> /Cr <sup>3+</sup> on the electronic, thermoelectric and optical properties of delafossite CuFe <sub>1-x</sub> Cr <sub>x</sub> O <sub>2</sub> (x = 0.25, 0.5, 0.75). <b>2015</b> , 48, 495103		26
1667	Morphology characterization of periclase/mercurite refractories by reaction sintering. <b>2015</b> , 22, 1219-1224		11
1666	Three-Dimensional Porous Iron Vanadate Nanowire Arrays as a High-Performance Lithium-Ion Battery. <b>2015</b> , 7, 27685-93		27
1665	Fe <sub>3</sub> O <sub>4</sub> /Nanocrystalline Microspheres with Hybrid Behavior of Battery-Supercapacitor for Superior Lithium Storage. <b>2015</b> , 7, 26284-90		48
1664	Solvothermal synthesis and characterization of monodisperse superparamagnetic iron oxide nanoparticles. <b>2015</b> , 379, 226-231		63
1663	Arsenic removal from aqueous solutions by adsorption using novel MIL-53(Fe) as a highly efficient adsorbent. <b>2015</b> , 5, 5261-5268		169
1662	Iron-doping-enhanced photoelectrochemical water splitting performance of nanostructured WO <sub>3</sub> : a combined experimental and theoretical study. <b>2015</b> , 7, 2933-40		143
1661	Catalytic behaviors of chloromethane combustion over the metal-modified ZSM-5 zeolites with diverse SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> ratios. <b>2015</b> , 398, 223-230		20
1660	Low-temperature deep oxidation of olefins and DME over cobalt ferrite. <b>2015</b> , 35, 2207-2214		33

1659	Magnetically Recoverable Palladium(0) Nanocomposite Catalyst for Hydrogenation Reactions in Water. <b>2015</b> , 7, 309-315	34
1658	Rapid and up-scalable fabrication of free-standing metal oxide nanosheets for high-performance lithium storage. <b>2015</b> , 11, 2011-8	44
1657	Oxygen-participated electrochemistry of new lithium-rich layered oxides Li <sub>3</sub> MRuO <sub>5</sub> (M = Mn, Fe). <b>2015</b> , 17, 3749-60	18
1656	On the formation of ternary metallic-dielectric multicore-shell nanoparticles by inert-gas condensation method. <b>2015</b> , 151, 275-281	36
1655	Structure, optical and magnetic properties of (In <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> films by magnetron sputtering. <b>2015</b> , 619, 869-875	10
1654	Simple synthesis of smart magnetically driven fibrous films for remote controllable oil removal. <b>2015</b> , 7, 2625-32	55
1653	Studies on the promoting effect of sulfate species in catalytic dehydrogenation of propane over Fe <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <b>2015</b> , 5, 1290-1298	31
1652	Chemical deactivation of H-BEA and Fe-BEA as NH <sub>3</sub> -SCR catalysts—Effect of potassium. <b>2015</b> , 166-167, 277-286	26
1651	Exploring structural and magnetic properties of nanocrystalline iron oxide synthesized by autocombustion method. <b>2015</b> , 77, 181-195	20
1650	Direct low temperature hydrothermal synthesis of YFeO <sub>3</sub> microcrystals. <b>2015</b> , 140, 107-110	23
1649	Synthesis of Fe-doped WO <sub>3</sub> nanostructures with high visible-light-driven photocatalytic activities. <b>2015</b> , 166-167, 112-120	129
1648	Spectroscopic characterization of iron ores formed in different geological environments using FTIR, XPS, Mössbauer spectroscopy and thermoanalyses. <b>2015</b> , 136 Pt C, 1816-26	67
1647	A study of surface and structural changes of magnetite cycling material during chemical looping for hydrogen production from bio-ethanol. <b>2015</b> , 5, 1280-1289	16
1646	Modulating the operation temperature window of CO preferential oxidation in H <sub>2</sub> -rich gases on three dimensionally ordered macroporous CeO <sub>2</sub> /TiO <sub>2</sub> catalysts by tuning their composition and incorporating Fe <sub>2</sub> O <sub>3</sub> and Co <sub>3</sub> O <sub>4</sub> . <b>2015</b> , 40, 878-890	9
1645	Efficient behaviour of hematite towards the photocatalytic degradation of NO gases. <b>2015</b> , 165, 529-536	53
1644	Preparation of Monolayered Ce-Fe Oxides Dispersed on Graphene and Their Superior Adsorptive Behavior. <b>2015</b> , 23, 158-164	0
1643	Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored in situ on carbon nanotubes via an ethanol-thermal strategy for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2015</b> , 5, 438-446	54
1642	Photocatalytic degradation of methyl orange by CeO <sub>2</sub> and Fe-doped CeO <sub>2</sub> films under visible light irradiation. <b>2014</b> , 4, 5757	254

1641	Magnetic modification of acid-activated kaolin: Synthesis, characterization, and adsorptive properties. <b>2015</b> , 202, 1-7	35
1640	Facile synthesis of MIL-100(Fe) under HF-free conditions and its application in the acetalization of aldehydes with diols. <b>2015</b> , 259, 183-190	173
1639	Biogenic magnetic nanoparticles from Burkholderia sp. YN01 exhibiting intrinsic peroxidase-like activity and their applications. <b>2015</b> , 99, 703-15	20
1638	Nitrogen-doped, metal-modified rutile titanium dioxide as photocatalysts for water remediation. <b>2015</b> , 162, 310-318	51
1637	Determination of the surface electronic structure of Fe <sub>3</sub> O <sub>4</sub> (1 1 1) by soft X-ray spectroscopy. <b>2015</b> , 240, 184-189	16
1636	Fenton-like processes and adsorption using iron oxide-pillared clay with magnetic properties for organic compound mitigation. <b>2015</b> , 22, 870-81	27
1635	Heterogeneous catalytic ozonation of phenacetin in water using magnetic spinel ferrite as catalyst: Comparison of surface property and efficiency. <b>2015</b> , 396, 164-173	44
1634	Chemical and mineralogical composition of ilmenite: Effects on physical and surface properties. <b>2015</b> , 70, 64-76	30
1633	Gold-Iron Oxide Catalyst for CO Oxidation: Effect of Support Structure. <b>2016</b> , 6, 37	7
1632	Microwave synthesis of high-quality and uniform 4 nm ZnFeO nanocrystals for application in energy storage and nanomagnetism. <b>2016</b> , 7, 1350-1360	23
1631	Efficient Photoelectrochemical Water Oxidation by Metal-Doped Bismuth Vanadate Photoanode with Iron Oxyhydroxide Electrocatalyst. <b>2016</b> , 2016, 1-7	6
1630	Adsorption mechanism of the simulated red mud from diasporite with high levels of silicon and iron. <b>2016</b> , 94, 1700-1709	2
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1628	Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFe-Layered Double Hydroxide Assembled on Graphene. <b>2016</b> , 3, 1500782	113
1627	An XPS investigation on the thermal stability of the insulating surface layer of soft magnetic composite powder. <b>2016</b> , 48, 445-450	13
1626	Enhanced oxidative and adsorptive capability towards antimony by copper-doping into magnetite magnetic particles. <b>2016</b> , 6, 66990-67001	30
1625	Temperature-dependent magnetization, anisotropy and conductivity of CoFe <sub>2</sub> Sn <sub>x</sub> O <sub>4</sub> (x = 0.025, 0.05, 0.075): appearance of grain boundary conductivity at high temperatures. <b>2016</b> , 49, 305001	13
1624	Core-Shell Low-Oxidation State Oxides@Reduced Graphene Oxide Cubes via Pressurized Reduction for Highly Stable Lithium Ion Storage. <b>2016</b> , 26, 2959-2965	33

1623	Low-temperature preparation of magnetically separable Fe <sub>3</sub> O <sub>4</sub> @CuO-RGO core-shell heterojunctions for high-performance removal of organic dye under visible light. <b>2016</b> , 688, 649-656	42
1622	Aging of Zerovalent Iron in Synthetic Groundwater: X-ray Photoelectron Spectroscopy Depth Profiling Characterization and Depassivation with Uniform Magnetic Field. <b>2016</b> , 50, 8214-22	63
1621	A carboxymethyl cellulose modified magnetic bentonite composite for efficient enrichment of radionuclides. <b>2016</b> , 6, 65136-65145	9
1620	Reductive Cyclization of Levulinic Acid to $\gamma$ -Valerolactone over Non-Noble Bimetallic Nanocomposite. <b>2016</b> , 55, 13032-13039	22
1619	Vapor phase methylation of phenol on Fe-substituted ZrO <sub>2</sub> catalyst. <b>2016</b> , 37, 1991-1996	8
1618	Efficient electrochemical oxidation of thallium (I) in groundwater using boron-doped diamond anode. <b>2016</b> , 222, 1137-1143	18
1617	Fast and low-cost method to fabricate large-area superhydrophobic surface on steel substrate with anticorrosion and anti-icing properties. <b>2016</b> , 34, 041401	8
1616	Observation of selective surface element substitution in FeTe <sub>0.5</sub> Se <sub>0.5</sub> superconductor thin film exposed to ambient air by synchrotron radiation spectroscopy. <b>2016</b> , 25, 097402	4
1615	Size-controllable synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles through oxidation-precipitation method as heterogeneous Fenton catalyst. <b>2016</b> , 31, 2608-2616	15
1614	Investigation and Manipulation of Different Analog Behaviors of Memristor as Electronic Synapse for Neuromorphic Applications. <b>2016</b> , 6, 22970	56
1613	Epitaxial growth and magnetic properties of ultraviolet transparent Ga <sub>2</sub> O <sub>3</sub> /(Ga <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> multilayer thin films. <b>2016</b> , 6, 25166	21
1612	Room temperature dual ferroic behaviour of ball mill synthesized NdFeO <sub>3</sub> orthoferrite. <b>2016</b> , 120, 034101	24
1611	Facile synthesis of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles just using ferric citrate and water. <b>2016</b> , 176, 179-183	0
1610	Electrochemical control of the phase transition of ultrathin FeRh films. <b>2016</b> , 108, 202404	25
1609	Nitrate removal from aqueous solution using granular chitosan-Fe(III)-Al(III) complex: Kinetic, isotherm and regeneration studies. <b>2016</b> , 63, 216-225	19
1608	Preparation and properties of CuCr <sub>1-x</sub> Fe <sub>x</sub> O <sub>2</sub> thin films prepared by chemical solution deposition with two-step annealing. <b>2016</b> , 618, 151-158	8
1607	Highly efficient and reusable CNT supported iron(ii) catalyst for microwave assisted alcohol oxidation. <b>2016</b> , 45, 6816-9	39
1606	Bromate removal by Fe(II)-kaganeite (FeOOH) modified red mud granule material. <b>2016</b> , 6, 28257-28262	14

1605	KCl-induced deactivation of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst during selective catalytic reduction of NO by NH <sub>3</sub> : Comparison of poisoning methods. <b>2016</b> , 296, 1-10	31
1604	Effect of the thickness reduction on the structural, surface and magnetic properties of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> thin films. <b>2016</b> , 607, 50-54	24
1603	Transition metal doped MnO <sub>2</sub> nanosheets grown on internal surface of macroporous carbon for supercapacitors and oxygen reduction reaction electrocatalysts. <b>2016</b> , 3, 63-72	40
1602	In Situ Packaging FeF <sub>x</sub> into Sack-like Carbon Nanoreactors: A Smart Way To Make Soluble Fluorides Applicable to Aqueous Batteries. <b>2016</b> , 8, 3874-82	18
1601	New red-shade environmental-friendly multifunctional pigment based on Tb and Fe doped Y <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> for ceramic applications and cool roof coatings. <b>2016</b> , 133, 33-40	33
1600	Synergistic effects of F and Fe in co-doped TiO <sub>2</sub> nanoparticles. <b>2016</b> , 18, 1	7
1599	Nanospheres and nanoleaves of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> architecturing for magnetic and biomolecule sensing applications. <b>2016</b> , 234, 386-394	16
1598	Light irradiation enhanced triethylamine gas sensing materials based on ZnO/ZnFe <sub>2</sub> O <sub>4</sub> composites. <b>2016</b> , 236, 350-357	51
1597	Fabrication of microwave absorbing CoFe <sub>2</sub> O <sub>4</sub> coatings with robust superhydrophobicity on natural wood surfaces. <b>2016</b> , 42, 13199-13206	21
1596	Hybrid materials based on core-shell polyorganosilsesquioxanes modified with iron nanoparticles. <b>2016</b> , 26, 187-190	14
1595	Evaluation of strontium-site-deficient Sr <sub>2</sub> Fe <sub>1.4</sub> Co <sub>0.1</sub> Mo <sub>0.5</sub> O <sub>6</sub> -based perovskite oxides as intermediate temperature solid oxide fuel cell cathodes. <b>2016</b> , 41, 9538-9546	13
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1593	FePd alloy nanoparticles assembled on reduced graphene oxide as a catalyst for selective transfer hydrogenation of nitroarenes to anilines using ammonia borane as a hydrogen source. <b>2016</b> , 6, 6137-6143	66
1592	Diffusion induced concave Co <sub>3</sub> O <sub>4</sub> @CoFe <sub>2</sub> O <sub>4</sub> hollow heterostructures for high performance lithium ion battery anode. <b>2016</b> , 4, 145-153	35
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1590	Determining iron oxide nanoparticle heating efficiency and elucidating local nanoparticle temperature for application in agarose gel-based tumor model. <b>2016</b> , 68, 18-29	17
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1584	Morphology and crystal structure control of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> films by hydrothermal-electrochemical deposition in the presence of Ce <sup>3+</sup> and/or acetate, <i>Fluon</i> . <b>2016</b> , 6, 8517-8527	11
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1580	Sulfidation behavior of ZnFe <sub>2</sub> O <sub>4</sub> roasted with pyrite: Sulfur inducing and sulfur-oxygen interface exchange mechanism. <i>Applied Surface Science</i> , <b>2016</b> , 371, 67-73	6.7 32
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1570	Highly sensitive amperometric hydrazine sensor based on novel $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> /crosslinked polyaniline nanocomposite modified glassy carbon electrode. <b>2016</b> , 234, 573-582	78



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1487	Carbon dioxide adsorption studies on delafossite CuFeO <sub>2</sub> hydrothermally synthesized. <b>2016</b> , 98, 271-279	17
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1477	X-ray absorption fine structure study of enhanced sequestration of U(VI) and Se(IV) by montmorillonite decorated with zero-valent iron nanoparticles. <b>2016</b> , 3, 1460-1472	74
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1329	Rapid removal of salicylic acid, 4-nitroaniline, benzoic acid and phthalic acid from wastewater using magnetized fast pyrolysis biochar from waste Douglas fir. <b>2017</b> , 319, 75-88	88
1328	Facet-Activity Relationship of TiO <sub>2</sub> in Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Nanocatalysts for Selective Catalytic Reduction of NO with NH <sub>3</sub> : In Situ DRIFTS and DFT Studies. <b>2017</b> , 121, 4970-4979	106
1327	Highly photocatalytic activity of novel Fe-MIL-88B/GO nanocomposite in the degradation of reactive dye from aqueous solution. <b>2017</b> , 4, 035038	33
1326	Kinetics, Chemistry, and Morphology of Syngas Photoinitiated Chemical Vapor Deposition. <b>2017</b> , 33, 1780-1791	11
1325	Novel method of preparing CoFe <sub>2</sub> O <sub>4</sub> /graphene by using steel rolling sludge for supercapacitor. <b>2017</b> , 231, 565-574	37
1324	Formation mechanism of Mn <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> by solid-state reaction of MnO <sub>2</sub> and Fe <sub>2</sub> O <sub>3</sub> in air atmosphere: Morphologies and properties evolution. <b>2017</b> , 313, 201-209	35
1323	Modulated self-reversed magnetic hysteresis in iron oxides. <b>2017</b> , 7, 42312	7
1322	Magnesite concentration technology and caustic calcined product from Turkish magnesite middlings by calcination and magnetic separation. <b>2017</b> , 52, 1129-1142	8
1321	Ultrasonic impact treatment of CoCrMo alloy: Surface composition and properties. <i>Applied Surface Science</i> , <b>2017</b> , 408, 11-20	6.7 24
1320	Iron oxide deposited on metallic nickel for water oxidation. <b>2017</b> , 1, 658-663	8
1319	Iron vacancy in tetragonal FeS crystals and its effect on the structure and superconductivity. <b>2017</b> , 19, 9000-9006	13
1318	Preparation and phase transition of FeOOH nanorods: strain effects on catalytic water oxidation. <b>2017</b> , 9, 4751-4758	41

1317	KFeCuTe: a new compound to study the removal of interstitial Fe in layered tellurides. <b>2017</b> , 46, 3649-3654	11
1316	Comparison of Fe/HBEA catalysts from incipient wetness impregnation with various loading on phenol hydroxylation. <b>2017</b> , 121, 751-761	5
1315	Iron oxide/aluminum/graphene energetic nanocomposites synthesized by atomic layer deposition: Enhanced energy release and reduced electrostatic ignition hazard. <i>Applied Surface Science</i> , <b>2017</b> , 408, 51-59	6.7 37
1314	Integrated electro-Fenton process enabled by a rotating Fe <sub>3</sub> O <sub>4</sub> /gas diffusion cathode for simultaneous generation and activation of H <sub>2</sub> O <sub>2</sub> . <b>2017</b> , 231, 694-704	36
1313	ARSENIC REMOVAL FROM WATER BY ADSORPTION ON IRON-CONTAMINATED CRYPTOCRYSTALLINE GRAPHITE. <b>2017</b> , 24, 1750099	2
1312	Iron incorporation affecting the structure and boosting catalytic activity of FeCo(OH) <sub>2</sub> : exploring the reaction mechanism of ultrathin two-dimensional carbon-free Fe <sub>3</sub> O <sub>4</sub> -decorated FeCo(OH) <sub>2</sub> nanosheets as efficient oxygen evolution electrocatalysts. <b>2017</b> , 5, 6849-6859	53
1311	Fe <sub>3</sub> O <sub>4</sub> /Ag microspheres assembled by interlaced nanothorns as high performance anode materials for lithium storage. <b>2017</b> , 42, 10072-10080	12
1310	Pyrite FeS <sub>2</sub> microspheres anchoring on reduced graphene oxide aerogel as an enhanced electrode material for sodium-ion batteries. <b>2017</b> , 5, 5332-5341	100
1309	Localized Synthesis of Iron Oxide Nanowires and Fabrication of High Performance Nanosensors Based on a Single Fe O Nanowire. <b>2017</b> , 13, 1602868	76
1308	Functional Iron Oxide/Silver Hetero-Nanocomposites: Controlled Synthesis and Antibacterial Activity. <b>2017</b> , 46, 3381-3389	13
1307	Iron-cobalt bimetal oxide nanorods as efficient and robust water oxidation catalysts. <b>2017</b> , 46, 10602-10610	20
1306	Low-temperature growth of graphene on iron substrate by molecular beam epitaxy. <b>2017</b> , 627, 39-43	9
1305	Iron-doped NiCoO <sub>2</sub> nanoplates as efficient electrocatalysts for oxygen evolution reaction. <i>Applied Surface Science</i> , <b>2017</b> , 407, 177-184	6.7 27
1304	SiO <sub>2</sub> -supported Fe & FeMn colloids/Fischer-Tropsch synthesis on 3D model catalysts. <b>2017</b> , 537, 83-92	7
1303	Enhanced catalytic performance for methane combustion of 3DOM CoFe <sub>2</sub> O <sub>4</sub> by co-loading MnOx and PdPt alloy nanoparticles. <i>Applied Surface Science</i> , <b>2017</b> , 403, 590-600	6.7 32
1302	Fe-containing carbon obtained from ferrocene: Influence of the preparation procedure on the catalytic performance in FTS reaction. <b>2017</b> , 317, 143-156	8
1301	Good lithium storage performance of Fe <sub>2</sub> SiO <sub>4</sub> as an anode material for secondary lithium ion batteries. <b>2017</b> , 7, 4437-4443	22
1300	Stabilization of temperature during magnetic hyperthermia by Ce substituted magnetite nanoparticles. <b>2017</b> , 434, 181-186	40



1299	XPS study of uranium-containing sodium-aluminum-iron-phosphate glasses. <b>2017</b> , 712, 36-43	24
1298	Reduction of Cr(VI) in simulated groundwater by FeS-coated iron magnetic nanoparticles. <b>2017</b> , 595, 743-751	148
1297	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO <sub>2</sub> /FeO and Its Graphene Composite. <b>2017</b> , 51, 5666-5674	211
1296	A Voltage-Enhanced, Low-Cost Aqueous Iron-Air Battery Enabled with a Mediator-Ion Solid Electrolyte. <b>2017</b> , 2, 1050-1055	29
1295	Facile Large-Scale Synthesis of Nanoscale Fayalite, $\text{Fe}_2\text{SiO}_4$ . <b>2017</b> , 2, 3356-3361	3
1294	Suppressing the electron-hole recombination rate in hematite photoanode with a rapid cooling treatment. <b>2017</b> , 350, 48-55	26
1293	Catalysis of the hydrodechlorination of 4-chlorophenol and the reduction of 4-nitrophenol by Pd/Fe <sub>3</sub> O <sub>4</sub> @C. <b>2017</b> , 41, 4014-4021	7
1292	Magnetocaloric effect and influence of Fe/Cr disorder on the magnetization reversal and dielectric relaxation in RFe <sub>0.5</sub> Cr <sub>0.5</sub> O <sub>3</sub> systems. <b>2017</b> , 110, 192904	28
1291	Dissolution Rates of Actinolite in Water and Its Modified Mineral Surface Across the Critical State. <b>2017</b> , 23, 165-183	
1290	Electrochemical Oxygen Reduction Activity of Metal Embedded Nitrogen Doped Carbon Nanostructures Derived from Pyrolysis of Nitrogen-Rich Guanidinium Salt. <b>2017</b> , 164, F781-F789	7
1289	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. <b>2017</b> , 203, 880-887	5
1288	Solvothermal synthesis of Sm-doped FeO nanoparticles. <b>2017</b> , 80, 110-116	14
1287	Synthesis of iron oxide nanoparticles in microplasma under atmospheric pressure. <b>2017</b> , 168, 360-371	23
1286	Transformation of Rusty Stainless-Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <b>2017</b> , 129, 7989-7993	44
1285	Recovery of metals from the roasted lead-zinc tailings by magnetizing roasting followed by magnetic separation. <b>2017</b> , 158, 73-80	24
1284	Thermal behavior of nitrocellulose-based superthermites: effects of nano-Fe <sub>2</sub> O <sub>3</sub> with three morphologies. <b>2017</b> , 7, 23583-23590	44
1283	Adsorption mechanism of lead ions at ilmenite/water interface and its influence on ilmenite flotability. <b>2017</b> , 53, 285-293	53
1282	Controlled synthesis of MnO nanosheets vertically covered FeCoO nanoflakes as a binder-free electrode for a high-power and durable asymmetric supercapacitor. <b>2017</b> , 28, 235401	20

1281	Transformation of Rusty Stainless-Steel Meshes into Stable, Low-Cost, and Binder-Free Cathodes for High-Performance Potassium-Ion Batteries. <b>2017</b> , 56, 7881-7885	191
1280	Fell/FeIII Doped Bi/BiOBr Hierarchical Microspheres as a Highly Efficient Catalyst for Degradation of Organic Contaminants at Neutral pH: The Role of Visible Light and H <sub>2</sub> O <sub>2</sub> . <b>2017</b> , 9, 3762-3771	12
1279	Hydrothermal synthesis of novel heterostructured Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> S <sub>3</sub> nanorods with enhanced photocatalytic activity under visible light. <b>2017</b> , 213, 18-27	141
1278	Experimental modeling of silicate-based geothermal deposits. <b>2017</b> , 69, 65-73	11
1277	Rationally Designed Porous MnO-FeO Nanoneedles for Low-Temperature Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2017</b> , 9, 16117-16127	99
1276	Metal Oxide Nanostructures Generated from In Situ Sacrifice of Zinc in Bimetallic Textures as Flexible Ni/Fe Fast Battery Electrodes. <b>2017</b> , 12, 1920-1926	4
1275	Macroscopic and spectroscopic studies of the enhanced scavenging of Cr(VI) and Se(VI) from water by titanate nanotube anchored nanoscale zero-valent iron. <b>2017</b> , 336, 214-221	63
1274	Improved electrochemical performances derived from synergistic titanium dioxide and iron titanate porous nanohybrids serving as lithium-ion battery anodes. <b>2017</b> , 714, 583-592	7
1273	An acrolein production route from ethanol and methanol mixtures over FeMo-based catalysts. <b>2017</b> , 19, 2666-2674	10
1272	In situ formation of highly active NiFe based oxygen-evolving electrocatalysts via simple reactive dip-coating. <b>2017</b> , 5, 11009-11015	54
1271	Influence of textures, oxygen-containing functional groups and metal species on SO <sub>2</sub> and NO removal over Ce-Mn/NAC. <b>2017</b> , 202, 328-337	31
1270	Reduction-oxidation kinetics of three different iron oxide phases for CO <sub>2</sub> activation to CO. <b>2017</b> , 202, 547-555	17
1269	Highly stable and selective Ru/NiFe <sub>2</sub> O <sub>4</sub> catalysts for transfer hydrogenation of biomass-derived furfural to 2-methylfuran. <b>2017</b> , 26, 799-807	33
1268	Methylene blue oxidation over iron oxide supported on activated carbon derived from peanut hulls. <b>2017</b> , 289, 237-248	41
1267	Synthesis, Characterization, and Photocatalytic Application of Iron Oxalate Capped Fe, Fe <sub>2</sub> Ti, Fe <sub>2</sub> Co, and Fe <sub>2</sub> Mn Oxide Nanomaterial. <b>2017</b> , 5, 310-324	26
1266	Magnetic nanoparticles coated with cyclodextrins and citrate for irinotecan delivery. <b>2017</b> , 163, 1-9	36
1265	Solution and surface chemistry of the Se(IV)-Fe(0) reactions: Effect of initial solution pH. <b>2017</b> , 168, 1597-1603	22
1264	Property Variation of Magnetic Mesoporous Carbon Modified by Aminated Hollow Magnetic Nanospheres: Synthesis, Characterization, and Sorption. <b>2017</b> , 5, 179-188	26

1263	Study on the Five dynasty sky-green glaze from Yaozhou kiln and its coloring mechanism. <b>2017</b> , 43, 2943-2949	13
1262	Solventless mechanochemical preparation of novel magnetic bioconjugates. <b>2017</b> , 53, 7635-7637	20
1261	A facile one-pot strategy for fabrication of carbon-based microwave absorbers: effects on annealing and paraffin content. <b>2017</b> , 46, 9097-9102	23
1260	The role of material transfer in fretting wear behavior and mechanism of Alloy 690TT mated with Type 304 stainless steel. <b>2017</b> , 130, 250-259	17
1259	Combined Electrosorption and Chemisorption of As(V) in Water by Using [email protected] Electrode. <b>2017</b> , 5, 6532-6538	31
1258	Boosting photoelectrochemical performance of hematite photoanode with TiO <sub>2</sub> underlayer by extremely rapid high temperature annealing. <i>Applied Surface Science</i> , <b>2017</b> , 422, 913-920	6.7 17
1257	IronManganeseTitanium (1 : 1 : 2) oxide composite thin films for improved photocurrent efficiency. <b>2017</b> , 41, 7322-7330	10
1256	Solution-Processed Highly Superparamagnetic and Conductive PEDOT:PSS/FeO Nanocomposite Films with High Transparency and High Mechanical Flexibility. <b>2017</b> , 9, 19001-19010	38
1255	Phytic acid-stabilized super-amphiphilic FeO-graphene oxide for extraction of polycyclic aromatic hydrocarbons from vegetable oils. <b>2017</b> , 235, 104-110	38
1254	Nonlinear dielectric effect of Fe <sub>2</sub> O <sub>3</sub> -doped PMSBZT piezoelectric ceramics for high-power applications. <b>2017</b> , 43, 10866-10872	11
1253	Spinel-structured FeCo <sub>2</sub> O <sub>4</sub> mesoporous nanosheets as efficient electrode for supercapacitor applications. <b>2017</b> , 251, 26-33	73
1252	Mechanistic insights into TiO <sub>2</sub> thickness in Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> -GO composites for enrofloxacin photodegradation. <b>2017</b> , 325, 647-654	72
1251	Fully Biodegradable Microsupercapacitor for Power Storage in Transient Electronics. <b>2017</b> , 7, 1700157	145
1250	MnOx promotional effects on olefins synthesis directly from syngas over bimetallic Fe-MnOx/SiO <sub>2</sub> catalysts. <b>2017</b> , 63, 4451-4464	25
1249	Improved photochemical properties of Aurivillius Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> with partial substitution of Ti <sup>4+</sup> with Fe <sup>3+</sup> . <b>2017</b> , 43, 12372-12380	18
1248	Magnetite Nanoparticles Bonded Carbon Quantum Dots Magnetically Confined onto Screen Printed Carbon Electrodes and their Performance as Electrochemical Sensor for NADH. <b>2017</b> , 29, 1968-1975	21
1247	Improvement in the Water Tolerance of SiO <sub>2</sub> -Modified Semicoke Catalysts for the Low-Temperature NO + CO Reaction. <b>2017</b> , 31, 7413-7425	5
1246	Morphological Evolution and Magnetic Property of Rare-Earth-Doped Hematite Nanoparticles: Promising Contrast Agents for T1-Weighted Magnetic Resonance Imaging. <b>2017</b> , 27, 1606821	24

1245	Four-electron oxygen reduction from mesoporous carbon modified with Fe <sub>2</sub> O <sub>3</sub> nanocrystals. <b>2017</b> , 52, 10938-10947		14
1244	Magnetite nanoparticles conjugated with lignin: A physicochemical and magnetic study. <i>Applied Surface Science</i> , <b>2017</b> , 422, 94-103	6.7	18
1243	Hierarchical Fe-doped NiO x nanotubes assembled from ultrathin nanosheets containing trivalent nickel for oxygen evolution reaction. <b>2017</b> , 38, 167-174		122
1242	Synthesis and characterization of spherical-like bulk $\gamma$ -Fe <sub>3</sub> CoxN (x = 0.0, 0.25, 1.95). <b>2017</b> , 197, 94-99		2
1241	Effect of glycine on one-step solution combustion synthesis of magnetite nanoparticles. <b>2017</b> , 719, 288-295		33
1240	Electrochemical deposition of honeycomb magnetite on partially exfoliated graphite as anode for capacitive applications. <b>2017</b> , 359, 57-63		11
1239	Ultrafast response and recovery trimethylamine sensor based on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> snowflake-like hierarchical architectures. <b>2017</b> , 718, 396-404		56
1238	Novel AgCl/Ag/AgFeO <sub>2</sub> Z-scheme heterostructure photocatalyst with enhanced photocatalytic and stability under visible light. <i>Applied Surface Science</i> , <b>2017</b> , 420, 911-918	6.7	37
1237	A novel macromolecular depressant for reverse flotation: Synthesis and depressing mechanism in the separation of hematite and quartz. <b>2017</b> , 186, 175-181		31
1236	In Situ Electrostatic Modulation of Path Selectivity for the Oxygen Reduction Reaction on Fe <sub>3</sub> C Doped Carbon Catalyst. <b>2017</b> , 29, 4649-4653		21
1235	Porous Iron-Carboxylate Metal-Organic Framework: A Novel Bioplatform with Sustained Antibacterial Efficacy and Nontoxicity. <b>2017</b> , 9, 19248-19257		73
1234	Synthesis and characterization of some nanostructured composite oxides for low temperature catalytic combustion of dilute propane. <b>2017</b> , 7, 27863-27871		19
1233	Template-free synthesis of hollow Li <sub>2</sub> O/Fe <sub>2</sub> O <sub>3</sub> /Ag heterostructures for ultra-high performance Li-ion batteries. <b>2017</b> , 5, 14220-14229		19
1232	Fe <sub>3</sub> O <sub>4</sub> -Encapsulated Reverse Energetic ZnO/Fe <sub>3</sub> O <sub>4</sub> Heterojunction Nanowire for Enhanced Photoelectrochemical Oxidation of Water. <b>2017</b> , 10, 2796-2804		24
1231	Critical temperature determination of detectable Cr diffusion enhancement by nanostructure through structural evolution analysis of the oxide films at 250-500 °C on 304 stainless steel. <i>Applied Surface Science</i> , <b>2017</b> , 419, 512-521	6.7	15
1230	Phase behaviour of 2D MnWO <sub>4</sub> and FeWO <sub>4</sub> ternary oxide layers on Pd(1 0 0). <b>2017</b> , 29, 234004		5
1229	Formation mechanisms of FeSnO by a chemical vapor transport (CVT) process. <b>2017</b> , 7, 43463		9
1228	Effect of supports over Pd/Fe <sub>2</sub> O <sub>3</sub> on CO oxidation at low temperature. <b>2017</b> , 160, 152-157		18

1227	A new green synthesis of porous magnetite nanoparticles from waste ferrous sulfate by solid-phase reduction reaction. <b>2017</b> , 710, 875-879	28
1226	Ruthenium supported on CoFe layered double oxide for selective hydrogenation of 5-hydroxymethylfurfural. <b>2017</b> , 431, 32-38	34
1225	Conducting mechanisms and magnetic behaviours of Fe-doped In <sub>2</sub> O <sub>3</sub> nanocrystalline films. <b>2017</b> , 7, 1115-1121	
1224	Recyclable CoFe <sub>2</sub> O <sub>4</sub> /Ag <sub>2</sub> O magnetic photocatalyst and its visible light-driven photocatalytic performance. <b>2017</b> , 43, 4487-4502	4
1223	Decomposition of methylbenzene over Fe <sub>0</sub> /ZSM-5 under microwave irradiation. <b>2017</b> , 96, 63-68	6
1222	Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Embedded Hollow Mesoporous Carbon Nanofibers and Polydimethylsiloxane-Based Nanocomposites as Efficient Microwave Absorber. <b>2017</b> , 121, 7810-7820	57
1221	Enhanced photoelectrochemical performance of internally porous Au-embedded $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> photoanodes for water oxidation. <b>2017</b> , 53, 4278-4281	9
1220	Microwave magnetic properties of spinel ferrite films deposited by one-step electrochemical method. <i>Applied Surface Science</i> , <b>2017</b> , 410, 99-104	6.7 4
1219	Interfacial Interaction of Oxidatively Cured Hydrogen Silsesquioxane Spin-On-Glass Enamel with Stainless Steel Substrate. <b>2017</b> , 164, C231-C239	5
1218	Redox and catalytic properties of biochar-coated zero-valent iron for the removal of nitro explosives and halogenated phenols. <b>2017</b> , 19, 711-719	27
1217	Fe/MCSAC catalysts surface modified with nitrogen DBD non-thermal plasma for carbonyl sulfide catalytic hydrolysis activity enhancement. <b>2017</b> , 49, 766-775	3
1216	Iron Ascorbic Acid Complex Coated TiO <sub>2</sub> Nanoparticles Enhancing Visible-Light Oxidation Performance. <b>2017</b> , 2, 2901-2909	7
1215	Role of damping in spin Seebeck effect in yttrium iron garnet thin films. <b>2017</b> , 3, e1601614	29
1214	Fabrication and growth mechanism of iron oxide insulation matrix for Fe soft magnetic composites with high permeability and low core loss. <b>2017</b> , 710, 138-143	23
1213	Polyamine-modified magnetic graphene oxide nanocomposite for enhanced selenium removal. <b>2017</b> , 183, 249-257	40
1212	The effect of Fe <sup>2+</sup> state in electrical property variations of Sn-doped hematite powders. <b>2017</b> , 100, 3928-3934	10
1211	Carbon-covered Fe <sub>3</sub> O <sub>4</sub> hollow cubic hierarchical porous composite as the anode material for lithium-ion batteries. <b>2017</b> , 19, 1	9
1210	Electrochemical studies of tau protein-iron interactionsPotential implications for Alzheimer's Disease. <b>2017</b> , 236, 384-393	30

1209	Investigation into the morphology and structure of magnetic bentonite nanocomposites with their catalytic activity. <i>Applied Surface Science</i> , <b>2017</b> , 413, 398-407	6.7	23
1208	Robust fabrication of $\mu$ patterns with tunable and durable wetting properties: hydrophilic to ultrahydrophobic via a vacuum process. <b>2017</b> , 5, 7125-7136		41
1207	Negative effects of dissolved organic compounds on settling performance of goethite in Bayer red mud. <b>2017</b> , 27, 429-439		3
1206	Characterization of Sr/Ru co-doped ferrite based perovskite as a symmetrical electrode material for solid oxide fuel cells. <b>2017</b> , 348, 94-106		21
1205	Controlled Growth of Monodisperse Ferrite Octahedral Nanocrystals for Biomass-Derived Catalytic Applications. <b>2017</b> , 7, 2948-2955		32
1204	Synthesis of dimethyl carbonate from methanol and CO <sub>2</sub> over Fe <sub>2</sub> Cr mixed oxides. <b>2017</b> , 19, 33-39		37
1203	A Simple and Green Procedure to Prepare Efficient Manganese Oxide Nanopowder for the Low Temperature Removal of Formaldehyde. <b>2017</b> , 9, 2366-2376		17
1202	Composition Tunable Manganese Ferrite Nanoparticles for Optimized T2 Contrast Ability. <b>2017</b> , 29, 3038-3047		68
1201	Metal Doping to Enhance the Photoelectrochemical Behavior of LaFeO <sub>3</sub> Photocathodes. <b>2017</b> , 10, 2457-2463		47
1200	Reactivity enhancement of iron sulfide nanoparticles stabilized by sodium alginate: Taking Cr (VI) removal as an example. <b>2017</b> , 333, 275-284		87
1199	Boosting the Catalytic Performance of Iron Phosphide Nanorods for the Oxygen Evolution Reaction by Incorporation of Manganese. <b>2017</b> , 29, 3048-3054		110
1198	Formation of Rh islands on Pd-supported $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> (0001). <b>2017</b> , 19, 2089-2095		3
1197	Spin Seebeck effect in insulating epitaxial $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> thin films. <b>2017</b> , 5, 026103		19
1196	Metal-Organic Frameworks Triggered High-Efficiency Li storage in Fe-Based Polyhedral Nanorods for Lithium-ion Batteries. <b>2017</b> , 235, 595-603		67
1195	Effects of monovalent and divalent metal cations on the aggregation and suspension of FeO magnetic nanoparticles in aqueous solution. <b>2017</b> , 586, 817-826		35
1194	Chemical synthesis of Fe/Fe <sub>3</sub> O <sub>4</sub> core-shell composites with enhanced soft magnetic performances. <b>2017</b> , 428, 6-11		21
1193	Colloidal Synthesis of Bipolar Off-Stoichiometric Gallium Iron Oxide Spinel-Type Nanocrystals with Near-IR Plasmon Resonance. <b>2017</b> , 139, 1198-1206		19
1192	Synthesis, characterization, and cytotoxicity evaluation of high-magnetization multifunctional nanoclusters. <b>2017</b> , 19, 1		5

1191	Local structure and magnetic properties of Fe-doped SnO <sub>2</sub> films. <b>2017</b> , 698, 863-867	17
1190	In situ incorporation of well-dispersed CuFe oxides in the mesochannels of AMS and their utilization as catalysts towards the Fenton-like degradation of methylene blue. <b>2017</b> , 52, 1432-1445	18
1189	Bending strength and wear behavior of Fe-Cr-C-B hardfacing alloys with and without rare earth oxide nanoparticles. <b>2017</b> , 311, 113-126	11
1188	Enhancing the Catalytic Activity of Zn-Containing Magnetic Oxides in a Methanol Synthesis: Identifying the Key Factors. <b>2017</b> , 9, 2285-2294	12
1187	Rapamycin-loaded nanoporous $\gamma$ -FeO as an endothelial favorable and thromboresistant coating for biodegradable drug-eluting Fe stent applications. <b>2017</b> , 5, 1182-1194	17
1186	Effect of in situ Fe(II)/Fe(III)-doping on the visible light-Fenton-like catalytic activity of Bi/BiOBr hierarchical microspheres. <b>2017</b> , 7, 658-667	21
1185	Ultrafast charge/discharge solid-state thin-film supercapacitors via regulating the microstructure of transition-metal-oxide. <b>2017</b> , 5, 2759-2767	36
1184	Supported Gold Nanoparticles as Reusable Catalysts for Oxidation Reactions of Industrial Significance. <b>2017</b> , 9, 1211-1221	39
1183	Assessing the photocatalytic transformation of norfloxacin by BiOBr/iron oxides hybrid photocatalyst: Kinetics, intermediates, and influencing factors. <b>2017</b> , 205, 68-77	116
1182	Synthesis and electrochemical properties of FeCO <sub>3</sub> with different morphology for lithium-ion battery application. <b>2017</b> , 698, 87-93	15
1181	Preparation and characterization of porous Fe-Cu mixed oxides modified ZSM-5 coating/PSSF for continuous degradation of phenol wastewater. <b>2017</b> , 240, 108-116	30
1180	Biofunctional metal-phenolic films from dietary flavonoids. <b>2017</b> , 53, 1068-1071	45
1179	Monoclinic Phase Na <sub>3</sub> Fe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> : Synthesis, Structure, and Electrochemical Performance as Cathode Material in Sodium-Ion Batteries. <b>2017</b> , 5, 1306-1314	51
1178	Biosynthesized iron nanoparticles in aqueous extracts of Eichhornia crassipes and its mechanism in the hexavalent chromium removal. <i>Applied Surface Science</i> , <b>2017</b> , 399, 322-329	6.7 71
1177	Novel preparation of anti-static zirconia ceramic by iron infiltration at high temperature. <b>2017</b> , 43, 1227-1230	9
1176	Switchable photovoltaic properties of multiferroic KBiFe <sub>2</sub> O <sub>5</sub> . <b>2017</b> , 88, 9-13	21
1175	Potassium Prussian Blue Nanoparticles: A Low-Cost Cathode Material for Potassium-Ion Batteries. <b>2017</b> , 27, 1604307	310
1174	Nanostructured materials for magnetic biosensing. <b>2017</b> , 1861, 1494-1506	28



1173	Near infrared light-mediated enhancement of reactive oxygen species generation through electron transfer from graphene oxide to iron hydroxide/oxide. <b>2017</b> , 9, 1559-1566	38
1172	A facile strategy to prepare Fe <sup>3+</sup> modified brookite TiO <sub>2</sub> with high photocatalytic activity under ultraviolet light and visible light. <b>2017</b> , 43, 2055-2066	4
1171	Synthesis of super-paramagnetic iron oxide nanoparticles assisted by brown seaweed <i>Turbinaria decurrens</i> for removal of reactive navy blue dye. <b>2017</b> , 4, 105038	4
1170	Fenton degradation of 4-chlorophenol using H <sub>2</sub> O <sub>2</sub> in situ generated by Zn-CNTs/O <sub>2</sub> system. <b>2017</b> , 7, 49985-49994	14
1169	Enhanced photoelectrochemical water oxidation performance of a hematite photoanode by decorating with Au-Pt core-shell nanoparticles. <b>2017</b> , 46, 16050-16057	29
1168	High-energy, flexible micro-supercapacitors by one-step laser fabrication of a self-generated nanoporous metal/oxide electrode. <b>2017</b> , 5, 24585-24593	58
1167	Carbon Nanofibers Loaded with Carbon Nanotubes and Iron Oxide as Flexible Freestanding Lithium-Ion Battery Anodes. <b>2017</b> , 253, 479-488	26
1166	Effect of excess oxygen for CuFeO <sub>2</sub> delafossite on thermoelectric and optical properties. <b>2017</b> , 526, 21-27	18
1165	Boron removal from hydraulic fracturing wastewater by aluminum and iron coagulation: Mechanisms and limitations. <b>2017</b> , 126, 481-487	54
1164	Promotion effect of tungsten and iron co-addition on the catalytic performance of MnO <sub>x</sub> /TiO <sub>2</sub> for NH <sub>3</sub> -SCR of NO <sub>x</sub> . <b>2017</b> , 210, 783-789	29
1163	Surface-oxidized FeCo/carbon nanotubes nanorods for lightweight and efficient microwave absorbers. <b>2017</b> , 136, 13-22	41
1162	Offset Effect of Chromium on the Adverse Impact of Manganese in a Low-C Medium-Mn Steel with Reversed Austenite in the Neutral Salt Spray Condition. <b>2017</b> , 73, 1367-1380	5
1161	Green synthesis of Pd/Fe <sub>3</sub> O <sub>4</sub> composite based on polyDOPA functionalized reduced graphene oxide for electrochemical detection of nitrite in cured food. <b>2017</b> , 256, 146-154	54
1160	The FeVO <sub>4</sub> ·0.9H <sub>2</sub> O/Graphene composite as anode in aqueous magnesium ion battery. <b>2017</b> , 256, 357-364	40
1159	Fatty acid decarboxylation reaction kinetics and pathway of co-conversion with amino acid on supported iron oxide catalysts. <b>2017</b> , 7, 47279-47287	9
1158	NbS Nanosheets with M/Se (M = Fe, Co, Ni) Codopants for Li and Na Storage. <b>2017</b> , 11, 10599-10607	68
1157	Magnetic anomalies in Fe-doped NiO nanoparticle. <b>2017</b> , 4, 096103	9
1156	Magnetic properties of epitaxial CoO/Fe(001) bilayers: The onset of exchange bias as a function of sublayer thickness and temperature. <b>2017</b> , 96,	4

1155	Tetragonal nanostructured zirconia modified hematite mesoporous composite for efficient adsorption of toxic cations from wastewater. <b>2017</b> , 5, 5285-5292	6
1154	Heterogeneous Fenton-like catalysis of Fe-MOF derived magnetic carbon nanocomposites for degradation of 4-nitrophenol. <b>2017</b> , 7, 49024-49030	57
1153	Electrochemical Synthesis of NH <sub>3</sub> at Low Temperature and Atmospheric Pressure Using a Fe <sub>2</sub> O <sub>3</sub> Catalyst. <b>2017</b> , 5, 10986-10995	183
1152	Highly Efficient and Stable Water-Oxidation Electrocatalysis with a Very Low Overpotential using FeNiP Substitutional-Solid-Solution Nanoplate Arrays. <b>2017</b> , 29, 1704075	130
1151	Tune turn-on voltage of LaFeO <sub>3</sub> /Nb:SrTiO <sub>3</sub> p-n junctions by oxygen vacancy. <b>2017</b> , 4, 075909	1
1150	Highly Active Fe Sites in Ultrathin Pyrrhotite FeS Nanosheets Realizing Efficient Electrocatalytic Oxygen Evolution. <b>2017</b> , 3, 1221-1227	97
1149	Electric and magnetic properties of magnetic (CoFeTaB)(100)Ox films. <b>2017</b> , 122, 165101	4
1148	Effect of Particulate Matter Mineral Composition on Environmentally Persistent Free Radical (EPFR) Formation. <b>2017</b> , 51, 10396-10402	34
1147	Systematic Investigation of the Electronic Structure of Hematite Thin Films. <b>2017</b> , 4, 1700542	14
1146	Oxygen vacancies induced by zirconium doping in bismuth ferrite nanoparticles for enhanced photocatalytic performance. <b>2017</b> , 508, 237-247	41
1145	Effect of solution pH on aging dynamics and surface structural evolution of mZVI particles: H <sub>2</sub> production and spectroscopic/microscopic evidence. <b>2017</b> , 24, 23538-23548	6
1144	The evolution of structure, chemical state and photocatalytic performance of Fe/FeTiO <sub>3</sub> /TiO <sub>2</sub> with the nitridation at different temperatures. <b>2017</b> , 95, 503-508	9
1143	CuFeS Quantum Dots Anchored in Carbon Frame: Superior Lithium Storage Performance and the Study of Electrochemical Mechanism. <b>2017</b> , 9, 31752-31762	36
1142	Real-time monitoring of the structure of ultrathin Fe <sub>3</sub> O <sub>4</sub> films during growth on Nb-doped SrTiO <sub>3</sub> (001). <b>2017</b> , 111, 041902	8
1141	Investigation of fundamental and high order optical transitions in Fe <sub>2</sub> O <sub>3</sub> thin films using surface barrier electroreflectance. <b>2017</b> , 110, 98-107	2
1140	Detailed XPS analysis and anomalous variation of chemical state for Mn- and V-doped TiO <sub>2</sub> coated on magnetic particles. <b>2017</b> , 43, 16763-16772	17
1139	Effect of anti-corrosive performance, roughness and chemical composition of pre-treatment layer on the overall performance of the paint system on cold-rolled steel. <b>2017</b> , 329, 19-28	13
1138	Metal-Ion Distribution and Oxygen Vacancies That Determine the Activity of Magnetically Recoverable Catalysts in Methanol Synthesis. <b>2017</b> , 9, 34005-34014	12

1137	Active site-engineered bifunctional electrocatalysts of ternary spinel oxides, $\text{M}_{0.1}\text{Ni}_{0.9}\text{Co}_2\text{O}_4$ (M: Mn, Fe, Cu, Zn) for the air electrode of rechargeable zinc-air batteries. <b>2017</b> , 5, 21016-21026	79
1136	S-Doped TiSe Nanoplates/ $\text{Fe}_2\text{O}_3$ Nanoparticles Heterostructure. <b>2017</b> , 13, 1702181	16
1135	Rational Design of Solution-Processed Ti-Fe-O Ternary Oxides for Efficient Planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells with Suppressed Hysteresis. <b>2017</b> , 9, 34833-34843	20
1134	$\text{K}_x(\text{C}_2\text{H}_8\text{N}_2)_y\text{Fe}_2\text{S}_2$ : synthesis, phase structure and correlation between $\text{K}^+$ intercalation and Fe depletion. <b>2017</b> , 7, 17539-17544	9
1133	The Enhanced CO Tolerance of Platinum Supported on FeP Nanosheet for Superior Catalytic Activity Toward Methanol Oxidation. <b>2017</b> , 254, 36-43	31
1132	Seed-mediated growth of ultra-thin triangular magnetite nanoplates. <b>2017</b> , 53, 11052-11055	13
1131	Nanostructured Spinel Ferrites for Catalytic Combustion of Gasoline Vapors. <b>2017</b> , 147, 2542-2548	5
1130	Structure Evolution from Layered to Spinel during Synthetic Control and Cycling Process of Fe-Containing Li-Rich Cathode Materials for Lithium-Ion Batteries. <b>2017</b> , 2, 5601-5610	19
1129	Enhanced degradation of chloramphenicol at alkaline conditions by S(II) assisted heterogeneous Fenton-like reactions using pyrite. <b>2017</b> , 188, 557-566	62
1128	Water-assisted and controllable synthesis of core/shell/shell structured carbon-based nanohybrids, and their magnetic and microwave absorption properties. <b>2017</b> , 7, 9851	8
1127	Ag-enhanced Catalytic Performance of Ordered Mesoporous Fe <sub>3</sub> O <sub>4</sub> -Graphitic Carbons for Oxygen Electroreduction. <b>2017</b> , 147, 2745-2754	4
1126	Effective adsorbent for arsenic removal: core/shell structural nano zero-valent iron/manganese oxide. <b>2017</b> , 24, 24235-24242	26
1125	Strain-induced fcc Fe nanocrystals confined in $\text{Al}_2\text{O}_3$ matrix. <b>2017</b> , 727, 1100-1104	4
1124	High-Energy-Density Aqueous Magnesium-Ion Battery Based on a Carbon-Coated FeVO Anode and a Mg-OMS-1 Cathode. <b>2017</b> , 23, 17118-17126	55
1123	Oxygen Vacancy Promoted Heterogeneous Fenton-like Degradation of Ofloxacin at pH 3.2-9.0 by Cu Substituted Magnetic FeO@FeOOH Nanocomposite. <b>2017</b> , 51, 12699-12706	172
1122	Dual role of TiO <sub>2</sub> buffer layer in Pt catalyzed BiFeO <sub>3</sub> photocathodes: Efficiency enhancement and surface protection. <b>2017</b> , 111, 123901	13
1121	Selective oxidation of propene to acrolein on FeMoTeO catalysts: determination of active phase and enhancement of catalytic activity and stability. <b>2017</b> , 7, 4629-4639	12
1120	Maghemite/nitrogen-doped graphene hybrid material as a reusable bifunctional catalyst for glycolysis of polyethylene terephthalate. <b>2017</b> , 144, 434-441	22

1119	5-Hydroxymethylfurfural catalytic oxidation under mild conditions by Co (II), Fe (III) and Cu (II) Salen complexes supported on SBA-15: Synthesis, characterization and activity. <b>2017</b> , 547, 132-145		40
1118	Strongly coupled FeP@reduced graphene oxide nanocomposites with superior performance for lithium-ion batteries. <b>2017</b> , 728, 328-336		33
1117	Comparative studies of leached Pt-Fe and Pt-Co catalysts for CO oxidation reactions. <b>2017</b> , 38, 1261-1269		11
1116	Preparation and characterization of maghemite nanoparticles from mild steel for magnetically guided drug therapy. <b>2017</b> , 28, 116		8
1115	A highly active Pt-Fe/BAO catalyst for preferential oxidation of CO in excess of H with a wide operation temperature window. <b>2017</b> , 53, 9020-9023		28
1114	Identification of O-bridge iron perfluorophthalocyanine dimer and generation of high-valent diiron-oxo species for the oxidation of organic pollutants. <b>2017</b> , 328, 915-926		11
1113	One-pot synthesis of ternary zero-valent iron/phosphotungstic acid/g-C <sub>3</sub> N <sub>4</sub> composite and its high performance for removal of arsenic(V) from water. <i>Applied Surface Science</i> , <b>2017</b> , 425, 423-431	6.7	13
1112	Catalytic effect of MnFe <sub>2</sub> O <sub>4</sub> on dehydrogenation kinetics of NaAlH <sub>4</sub> /MgH <sub>2</sub> . <b>2017</b> , 7, 34522-34529		6
1111	Synthesis of maghemite nanoparticles, biodiesel and hydrogen: One pot sequential reactions. <b>2017</b> , 546, 22-29		1
1110	Self-Templated Stepwise Synthesis of Monodispersed Nanoscale Metalated Covalent Organic Polymers for In Vivo Bioimaging and Photothermal Therapy. <b>2017</b> , 12, 2183-2188		27
1109	Coloring and translucency mechanisms of Five dynasty celadon body from Yaozhou kiln. <b>2017</b> , 43, 11616-11628		
1108	An amorphous FeMoS nanorod array toward efficient hydrogen evolution electrocatalysis under neutral conditions. <b>2017</b> , 53, 9000-9003		108
1107	Efficient Furfuryl Alcohol Synthesis from Furfural over Magnetically Recoverable Catalysts: Does the Catalyst Stabilizing Medium Matter?. <b>2017</b> , 2, 5485-5491		12
1106	Analysis of the inhibition of thermal degradation of molten polycarbonate at tool steel interfaces by thin TiAlN coatings. <b>2017</b> , 143, 196-206		5
1105	Superparamagnetic graphene oxide-magnetite nanoparticle composites for uptake of actinide ions from mildly acidic feeds. <b>2017</b> , 1513, 18-26		12
1104	Simple solvent-free preparation of dispersed composites and their application as catalysts in oxidation and hydrocarboxylation of cyclohexane. <b>2017</b> , 5, 52-62		8
1103	Constructing heterostructured Li-Fe-Ni-Mn-O cathodes for lithium-ion batteries: effective improvement of ultrafast lithium storage. <b>2017</b> , 19, 22494-22501		3
1102	Efficient Formation of Light-Absorbing Polymeric Nanoparticles from the Reaction of Soluble Fe(III) with C <sub>4</sub> and C <sub>6</sub> Dicarboxylic Acids. <b>2017</b> , 51, 9700-9708		17

1101	Facile synthesis of mesoporous Fe-N-C electrocatalyst for high performance alkaline aluminum-air battery. <b>2017</b> , 801, 72-76	24
1100	Structural and optical properties of sol-gel derived $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <b>2017</b> , 192, 879-887	36
1099	Hierarchical and Hollow FeO Nanoboxes Derived from Metal-Organic Frameworks with Excellent Sensitivity to HS. <b>2017</b> , 9, 29669-29676	89
1098	UV-LED/ilmenite/persulfate for azo dye mineralization: The role of sulfate in the catalyst deactivation. <b>2017</b> , 219, 314-321	41
1097	Enhanced electrocatalytic performances of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> pseudo-nanocubes for oxygen reduction reaction in alkaline solution with conductive coating. <b>2017</b> , 42, 20711-20719	13
1096	Ligand Design toward Multifunctional Substrate Reductive Transformations. <b>2017</b> , 56, 9505-9514	18
1095	Hydrolysis driving redox reaction to synthesize Mn-Fe binary oxides as highly active catalysts for the removal of toluene. <b>2017</b> , 330, 281-293	136
1094	Photochemical and magnetic activities of FeTiO <sub>3</sub> nanoparticles by electro-spinning synthesis. <b>2017</b> , 78, 431-437	17
1093	Cr-Containing Magnetic Oxides in a Methanol Synthesis: Does Cr Ion Distribution Matter?. <b>2017</b> , 2, 6269-6276	3
1092	Synthesis and Characterisation of PrMn <sub>1-x</sub> BxO <sub>3</sub> (B = Fe, Ni) as Catalysts for Oxidation of Volatile Organic Compounds. <b>2017</b> , 27, 1719-1729	5
1091	New insights into water photooxidation on reductively pretreated hematite photoanodes. <b>2017</b> , 19, 21807-21817	9
1090	Preparation of High-Quality Graphene by Sodium Borohydride Reducing Stage-1 FeCl <sub>3</sub> -GIC via In Situ Hydrogen Exfoliation. <b>2017</b> , 744, 458-462	1
1089	Facile synthesis of Fe-modified manganese oxide with high content of oxygen vacancies for efficient airborne ozone destruction. <b>2017</b> , 546, 79-86	52
1088	Exploration of the mechanism of chemical looping steam methane reforming using double perovskite-type oxides La <sub>1.6</sub> Sr <sub>0.4</sub> FeCoO <sub>6</sub> . <b>2017</b> , 219, 672-682	59
1087	Self-supported mesoporous FeCo <sub>2</sub> O <sub>4</sub> nanosheets as high capacity anode material for sodium-ion battery. <b>2017</b> , 330, 764-773	36
1086	Crystal structure tailored microwave magnetodielectric effect in Yb <sub>x</sub> Y <sub>3-x</sub> Fe <sub>5</sub> O <sub>12</sub> ceramics. <b>2017</b> , 726, 1030-1039	11
1085	Effect of acid surface dissolution pretreatment on the selective flotation of ilmenite from olivine and pyroxene. <b>2017</b> , 167, 49-60	24
1084	Redox behavior of iron at the surface of an O(100) single crystal studied by ambient-pressure photoelectron spectroscopy. <b>2017</b> , 3, 95-103	6

1083	Nanostructured 3D porous hybrid network of N-doped carbon, graphene and Si nanoparticles as an anode material for Li-ion batteries. <b>2017</b> , 41, 10555-10560	13
1082	Hierarchically structured carbon nanotube/polyaniline nanobrushes for corrosion protection over a wide pH range. <b>2017</b> , 7, 35330-35339	33
1081	Ferromagnetic photocatalysts of FeTiO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> nanocomposites. <b>2017</b> , 7, 54594-54602	4
1080	Investigation of SO <sub>2</sub> tolerance of Ce-modified activated semi-coke based catalysts for the NO + CO reaction. <b>2017</b> , 7, 53631-53642	2
1079	Efficient Pt/FeOx/TiO <sub>2</sub> @SBA-15 catalysts for selective hydrogenation of cinnamaldehyde to cinnamyl alcohol. <b>2017</b> , 7, 6112-6123	25
1078	Unipolar resistive switching behavior in sol-gel synthesized FeSrTiO <sub>3</sub> thin films. <b>2017</b> , 7, 54111-54116	3
1077	FeNi <sub>2</sub> S <sub>4</sub> QDs @C composites as a high capacity and long life anode material for lithium ion battery and ex situ investigation of electrochemical mechanism. <b>2017</b> , 258, 1173-1181	6
1076	In situ synthesis of iron sulfide embedded porous carbon hollow spheres for sodium ion batteries. <b>2017</b> , 9, 19408-19414	27
1075	Theoretical and Experimental Evidence for the Carbon-Oxygen Group Enhancement of NO Reduction. <b>2017</b> , 51, 14209-14216	19
1074	A facile and scalable complexation-precipitation method of iron doped nickel hydroxide nanosheets as a superior oxygen evolution catalyst. <b>2017</b> , 42, 26575-26585	24
1073	Facile synthesis and lithium storage properties of engineered ultrafine porous Fe <sub>2</sub> SiO <sub>4</sub> /C composites. <b>2017</b> , 807, 29-36	10
1072	Effect of High Temperature Oxidation Process on Corrosion Resistance of Bright Annealed Ferritic Stainless Steel. <b>2017</b> , 164, C869-C880	4
1071	NaFeTiO <sub>4</sub> nanorod/multi-walled carbon nanotubes composite as an anode material for sodium-ion batteries with high performances in both half and full cells. <b>2017</b> , 10, 3585-3595	12
1070	Impact Fretting Wear Behavior of Alloy 690 Tubes in Dry and Deionized Water Conditions. <b>2017</b> , 30, 819-828	6
1069	Nanometric P <sub>2</sub> -Na <sub>2</sub> /3Fe <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> with controlled morphology as cathode for sodium-ion batteries. <b>2017</b> , 724, 465-473	28
1068	Heterogeneous Fenton-like degradation of ofloxacin over a wide pH range of 3.6-10.0 over modified mesoporous iron oxide. <b>2017</b> , 328, 397-405	54
1067	Surface properties and reactivity of Fe/Al <sub>2</sub> O <sub>3</sub> /cordierite catalysts for NO reduction by C <sub>2</sub> H <sub>6</sub> : Effects of calcination temperature. <b>2017</b> , 326, 737-744	25
1066	Efficient solar light-driven degradation of Congo red with novel Cu-loaded FeO@TiO <sub>2</sub> nanoparticles. <b>2017</b> , 24, 19546-19560	20

1065	Dynamics and ecological risk assessment of chromophoric dissolved organic matter in the Yinma River Watershed: Rivers, reservoirs, and urban waters. <b>2017</b> , 158, 245-254	23
1064	Hydrolysis-Coupled Redox Reaction to 3D Cu/FeO Nanorod Array Electrodes for High-Performance Lithium-Ion Batteries. <b>2017</b> , 56, 7657-7667	12
1063	Polymer nanofilm-coated catalysis: An approach for enhancing water-resistance of Co-Fe oxide nano-catalysts under moisture-rich condition. <b>2017</b> , 352, 466-479	16
1062	Enhancement of Catalytic Activity of Reduced Graphene Oxide Via Transition Metal Doping Strategy. <b>2017</b> , 12, 426	8
1061	Study on electrochemical performance of multi-wall carbon nanotubes coated by iron oxide nanoparticles as advanced electrode materials for supercapacitors. <b>2017</b> , 143, 371-379	31
1060	Defective BiFeO <sub>3</sub> with surface oxygen vacancies: Facile synthesis and mechanism insight into photocatalytic performance. <b>2017</b> , 171, 24-32	78
1059	A photoemission spectroscopy study of the initial oxidation of epitaxial fcc and bcc Fe films grown on Cu(100). <b>2017</b> , 636, 567-572	0
1058	Enhanced Photocatalytic Activity of Heterostructured Ferroelectric BaTiO <sub>3</sub> /FeO and the Significance of Interface Morphology Control. <b>2017</b> , 9, 24518-24526	92
1057	Acetic Acid Ketonization over FeO/SiO <sub>2</sub> for Pyrolysis Bio-Oil Upgrading. <b>2017</b> , 9, 1648-1654	35
1056	A high-performance anode material based on FeMnO <sub>3</sub> /graphene composite. <b>2017</b> , 695, 1223-1230	29
1055	Synthesis of N,N-Bis(2-hydroxypropyl)laurylamine and its flotation on quartz. <b>2017</b> , 309, 63-69	60
1054	Methanation of syngas (H <sub>2</sub> /CO) over the different Ni-based catalysts. <b>2017</b> , 189, 419-427	44
1053	One-pot synthesis of echinus-like Fe-doped SnO <sub>2</sub> with enhanced photocatalytic activity under simulated sunlight. <b>2017</b> , 695, 3318-3323	18
1052	Defect mediated exchange bias in oriented (111) Fe <sub>3</sub> O <sub>4</sub> /(100) GaAs. <b>2017</b> , 621, 26-31	2
1051	Morphological evolution of Fe doped sea urchin-shaped ZnO nanoparticles with enhanced photocatalytic activity. <b>2017</b> , 696, 639-647	64
1050	Novel three-dimensionally ordered macroporous Fe <sup>3+</sup> -doped TiO <sub>2</sub> photocatalysts for H <sub>2</sub> production and degradation applications. <i>Applied Surface Science</i> , <b>2017</b> , 394, 248-257	6.7 67
1049	Polypyrrole/iron oxide/reduced graphene oxide ternary composite as a binderless electrode material with high cyclic stability for supercapacitors. <b>2017</b> , 109, 23-29	77
1048	Magnetically separable maghemite/montmorillonite composite as an efficient heterogeneous Fenton-like catalyst for phenol degradation. <b>2017</b> , 24, 1926-1937	27



1047	Composition assessment of ferric oxide by accurate peak fitting of the Fe 2p photoemission spectrum. <b>2017</b> , 49, 253-260	31
1046	Investigation on Fe-Co binary metal oxides supported on activated semi-coke for NO reduction by CO. <b>2017</b> , 201, 636-651	139
1045	Modulating the phases of iron carbide nanoparticles: from a perspective of interfering with the carbon penetration of Fe@FeO by selectively adsorbed halide ions. <b>2017</b> , 8, 473-481	80
1044	A simulated rotary reactor for NO <sub>x</sub> reduction by carbon monoxide over Fe/ZSM-5 catalysts. <b>2017</b> , 307, 24-40	33
1043	Structural, Spectroscopic and Magnetic Study of Nanocrystalline Cerium-Substituted Magnesium Ferrites. <b>2017</b> , 42, 389-398	24
1042	Preparation of ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles by mechanical alloying and annealing for sensitizing C-modified TiO <sub>2</sub> and acquirement of efficient photocatalyst. <b>2017</b> , 43, 1495-1512	3
1041	Novel green micelles Pluronic F-127 coating performance on nano zero-valent iron: Enhanced reactivity and innovative kinetics. <b>2017</b> , 174, 174-182	18
1040	Magnetodielectric coupling in multiferroic holmium iron garnets. <b>2017</b> , 423, 39-45	8
1039	Controllable 5-sulfosalicylic acid assisted solvothermal synthesis of monodispersed superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoclusters with tunable size. <b>2017</b> , 423, 111-117	13
1038	Monodisperse ZnFe <sub>2</sub> O <sub>4</sub> nanospheres synthesized by a nonaqueous route for a highly selective low-ppm-level toluene gas sensor. <b>2017</b> , 239, 1231-1236	37
1037	Hydrothermal growth of iron oxide NPs with a uniform size distribution for magnetically induced hyperthermia: Structural, colloidal and magnetic properties. <b>2017</b> , 694, 261-271	41
1036	WEAR BEHAVIOR OF NANOSTRUCTURED HYPOEUTECTIC FeB ALLOY. <b>2017</b> , 24, 1750023	2
1035	Effect of pH on electrical and magnetic properties of Al <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> nanoparticles. <b>2017</b> , 28, 4179-4191	10
1034	Hierarchically structured Fe <sub>3</sub> O <sub>4</sub> /C nanosheets for effective lithium-ion storage. <b>2017</b> , 691, 592-599	27
1033	NO reduction by CO over iron-based catalysts supported by activated semi-coke. <b>2017</b> , 95, 449-458	10
1032	Structural transformation of Pd-Fe <sub>2</sub> O <sub>3</sub> and Pd-Fe <sub>2</sub> O <sub>3</sub> catalysts and application in the CO oxidation reaction. <b>2017</b> , 7, 51403-51410	4
1031	Antibacterial activity of iron oxide nanoparticles synthesized by co-precipitation technology against <i>Bacillus cereus</i> and <i>Klebsiella pneumoniae</i> . <b>2017</b> , 19, 110-115	22
1030	Facile one-pot fabrication of Fe-Fe <sub>2</sub> O <sub>3</sub> nano-coffee beans by etching along [001] direction for high lithium storage. <b>2017</b> , 60, 1187-1195	4

1029	Tailoring magnetic properties of multicomponent layered structure via current annealing in FePd thin films. <b>2017</b> , 7, 16691	7
1028	Oxidation state and coordination surrounding of iron and uranium in sodium aluminum iron phosphate glasses. <b>2017</b> , 59, 562-569	3
1027	Magnetic properties of $x(\text{Fe}_2\text{O}_3)(1-x)[\text{P}_2\text{O}_5\text{-Li}_2\text{O}]$ and $x(\text{Fe}_2\text{O}_3)(1-x)[\text{P}_2\text{O}_5\text{-CaO}]$ glass systems. <b>2017</b> ,	1
1026	Fabrication of a Magnetic Cellulose Nanocrystal/Metal-Organic Framework Composite for Removal of Pb(II) from Water. <b>2017</b> , 5, 10447-10458	110
1025	Construction of $\text{Co}_3\text{O}_4@\text{Fe}_2\text{O}_3$ core-shell nanowire arrays electrode for supercapacitors. <b>2017</b> , 729, 1172-1176	49
1024	Catalytic Characteristics of $\beta$ -Iron Phthalocyanine Prepared by Vacuum Heat Treatment for Fuel Cell Oxygen Reduction Reaction. <b>2017</b> , 85, 469-471	1
1023	Effect of synthesis conditions on the structure and properties of new $\text{SiC}_x\text{N}_y\text{M}_z$ materials for spintronics. <b>2017</b> , 58, 1493-1502	2
1022	Adsorption of Malathion onto Copper and Iron Surfaces Relevant to Water Infrastructure. <b>2017</b> , 109, 494-502	3
1021	Control-Growth and Photocatalytic Activities of Low-Dimensional $\text{Bi}_2\text{Fe}_4\text{O}_9$ Crystals. <b>2017</b> , 30, 566-570	5
1020	Properties of Thermally Treated Granular Montmorillonite-Palygorskite Adsorbent (GMPA) and Use to Remove $\text{Pb}^{2+}$ and $\text{Cu}^{2+}$ from Aqueous Solutions. <b>2017</b> , 65, 184-192	10
1019	Investigation of the Defect Structure of Congruent and Fe-Doped $\text{LiNbO}_3$ Powders Synthesized by the Combustion Method. <b>2017</b> , 10,	6
1018	Low toxic maghemite nanoparticles for theranostic applications. <b>2017</b> , 12, 6365-6371	13
1017	Transition Metal-Modified Zirconium Phosphate Electrocatalysts for the Oxygen Evolution Reaction. <b>2017</b> , 7, 132	25
1016	Pure and Fe-Doped Mesoporous Titania Catalyse the Oxidation of Acid Orange 7 by $\text{H}_2\text{O}_2$ under Different Illumination Conditions: Fe Doping Improves Photocatalytic Activity under Simulated Solar Light. <b>2017</b> , 7, 213	21
1015	Thermochemical Wear of Single Crystal Diamond Catalyzed by Ferrous Materials at Elevated Temperature. <b>2017</b> , 7, 116	7
1014	Highly Sensitive Colorimetric Assay for Determining Fe Based on Gold Nanoparticles Conjugated with Glycol Chitosan. <b>2017</b> , 2017, 3648564	19
1013	Synthesis of Carbon Nanofibers with Maghemite via a Modified Sol-Gel Technique. <b>2017</b> , 2017, 1-10	4
1012	Formation of Core-Shell Nanoparticles Composed of Magnetite and Samarium Oxide in Magnetospirillum magneticum Strain RSS-1. <b>2017</b> , 12, e0170932	13

1011	Post-treatment Method for the Synthesis of Monodisperse Binary FePt-FeO Nanoparticles. <b>2017</b> , 12, 540	5
1010	Hierarchical Fabric Decorated with Carbon Nanowire/Metal Oxide Nanocomposites for 1.6 V Wearable Aqueous Supercapacitors. <b>2018</b> , 8, 1703454	112
1009	High-performance symmetrical supercapacitor based on poly(3,4)-ethylenedioxythiophene/graphene oxide/iron oxide ternary composite. <b>2018</b> , 29, 6916-6923	10
1008	Enhanced insulation resistance and electrical properties of BiFe <sub>1-x</sub> (Zn <sub>0.5</sub> Ti <sub>0.5</sub> )xO <sub>3</sub> -BaTiO <sub>3</sub> lead-free piezoceramics. <b>2018</b> , 44, 8409-8416	10
1007	Fe <sub>3</sub> O <sub>4</sub> /Fe Mixed Oxides Supported on Carbon Nanotubes for Simultaneous Removal of NO and Hg <sup>0</sup> in Flue Gas. <b>2018</b> , 57, 3187-3194	23
1006	TiO <sub>2</sub> nanotubes with different spacing, FeO decoration and their evaluation for Li-ion battery application. <b>2018</b> , 29, 195402	19
1005	Iron based monolithic catalysts supported on Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , and TiO <sub>2</sub> : A comparison for NO reduction with propane. <b>2018</b> , 220, 330-338	24
1004	Enhanced Toluene Combustion over Highly Homogeneous Iron Manganese Oxide Nanocatalysts. <b>2018</b> , 1, 1066-1075	28
1003	Feasibility of Electrostatic-Mediated Post -Functionalization to Induce Long Term Colloidal Stability and Stability After Freeze Drying of Amphoteric Nanoparticles. <b>2018</b> , 23, 14-20	6
1002	Mn-Doped Maghemite (γ-Fe <sub>2</sub> O <sub>3</sub> ) from Metal-Organic Framework Accompanying Redox Reaction in a Bimetallic System: The Structural Phase Transitions and Catalytic Activity toward NO <sub>x</sub> Removal. <b>2018</b> , 3, 2634-2640	26
1001	Performance enhancement in organic photovoltaic solar cells using iridium (Ir) ultra-thin surface modifier (USM). <i>Applied Surface Science</i> , <b>2018</b> , 444, 97-104	6.7 9
1000	Nanoscale mapping of catalytic hotspots on Fe, N-modified HOPG by scanning electrochemical microscopy-atomic force microscopy. <b>2018</b> , 10, 6962-6970	11
999	Solution Synthesis of N,N-Dimethylformamide-Stabilized Iron-Oxide Nanoparticles as an Efficient and Recyclable Catalyst for Alkene Hydrosilylation. <b>2018</b> , 10, 2378-2382	21
998	A Polycarboxyl-Decorated Fe -Based Xerogel-Derived Multifunctional Composite (Fe <sub>3</sub> O <sub>4</sub> /Fe/C) as an Efficient Electrode Material towards Oxygen Reduction Reaction and Supercapacitor Application. <b>2018</b> , 24, 6586-6594	8
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996	Adsorption of sulfamethoxazole by magnetic biochar: Effects of pH, ionic strength, natural organic matter and 17β-ethinylestradiol. <b>2018</b> , 628-629, 722-730	91
995	Environment-Friendly Mesoporous Magnetite Nanoparticles-Based Hydroelectric Cell. <b>2018</b> , 122, 5908-5916	30
994	Synthesis, characterization, and relaxometry studies of hydrophilic and hydrophobic superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles for oil reservoir applications. <b>2018</b> , 543, 133-143	22

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- 978 Structural, optical and magnetic properties of Fe-doped CeO<sub>2</sub> samples probed using X-ray photoelectron spectroscopy. **2018**, 29, 10141-10153 28
- 977 Phosphine plasma activation of Fe-Fe<sub>2</sub>O<sub>3</sub> for high energy asymmetric supercapacitors. **2018**, 49, 155-162 123
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974	X-ray photoelectron spectroscopy studies of Fe <sub>3</sub> O <sub>4</sub> films on Si and MgO substrates grown by pulsed laser deposition. <b>2018</b> ,		2
973	Investigation of the Fe-Mo electrodeposition from sorbitol alkaline bath and characterization of the films produced. <b>2018</b> , 750, 577-586		5
972	Catalytic ozonation of di-n-butyl phthalate degradation using manganese ferrite/reduced graphene oxide nanofiber as catalyst in the water. <b>2018</b> , 526, 347-355		32
971	Decoloration of methylene blue by heterogeneous Fenton-like oxidation on Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /C nanospheres in neutral environment. <b>2018</b> , 213, 231-238		27
970	Preparation and characterization of APTES modified magnetic MMT capable of using as anisotropic nanoparticles. <i>Applied Surface Science</i> , <b>2018</b> , 447, 393-400	6.7	16
969	Dirac Cone Spin Polarization of Graphene by Magnetic Insulator Proximity Effect Probed with Outermost Surface Spin Spectroscopy. <b>2018</b> , 28, 1800462		10
968	Synergistic effects in iron-copper bimetal doped mesoporous FAO for Fenton-like oxidation of 4-chlorophenol: Structure, composition, electrochemical behaviors and catalytic performance. <b>2018</b> , 203, 442-449		28
967	Microwave one-pot production of ZnO/Fe <sub>3</sub> O <sub>4</sub> /activated carbon composite for organic dye removal and the pyrolysis exhaust recycle. <b>2018</b> , 188, 900-910		46
966	A modified ZSM-5 zeolite/Fe <sub>2</sub> O <sub>3</sub> composite as a sorbent for magnetic dispersive solid-phase microextraction of cadmium, mercury and lead from urine samples prior to inductively coupled plasma optical emission spectrometry. <b>2018</b> , 33, 856-866		26
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964	Effects of Cr addition on thermal stability, soft magnetic properties and corrosion resistance of FeSiB amorphous alloys. <b>2018</b> , 138, 20-27		33
963	Synthesis of a novel heterogeneous fenton catalyst and promote the degradation of methylene blue by fast regeneration of Fe <sup>2+</sup> . <b>2018</b> , 549, 94-104		30
962	Fixed-Bed Catalytic Oxidative Removal of Dissolved Iron by Manganese Oxide-Coated Clinoptilolite: Enhanced Activity in the Presence of Aqueous Mn <sup>2+</sup> Cations. <b>2018</b> , 5, 65-79		2
961	Facile hydrothermal synthesis of FeO@cellulose aerogel nanocomposite and its application in Fenton-like degradation of Rhodamine B. <b>2018</b> , 189, 371-378		77
960	Design and characterization of sulfide-modified nanoscale zerovalent iron for cadmium(II) removal from aqueous solutions. <i>Applied Surface Science</i> , <b>2018</b> , 442, 114-123	6.7	59
959	Immobilization of PMIDA on Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles surface: Mechanism of bonding. <i>Applied Surface Science</i> , <b>2018</b> , 440, 1196-1203	6.7	29
958	Chemical-looping water splitting over ceria-modified iron oxide: Performance evolution and element migration during redox cycling. <b>2018</b> , 179, 92-103		36

957	Study on the activation mechanism of lead ions in the flotation of ilmenite using benzyl hydroxamic acid as collector. <b>2018</b> , 62, 209-216	46
956	The electrical modulus and other dielectric properties by the impedance spectroscopy of LaCrO and LaCrIrO perovskites.. <b>2018</b> , 8, 4634-4648	88
955	The mechanisms and consequences of inorganic reactions during the production of ferrous sulphate enriched bamboo biochars. <b>2018</b> , 131, 101-112	9
954	Phase evolutions, microstructure and reaction mechanism during calcification roasting of high chromium vanadium slag. <b>2018</b> , 742, 402-412	44
953	Optical absorption and multivalent characteristics of ferrotitanate semiconductor FeNaTi <sub>3</sub> O <sub>8</sub> . <b>2018</b> , 534, 120-124	1
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951	□-Fe <sub>2</sub> O <sub>3</sub> /polyaniline nanocomposites as an effective catalyst for improving the electrochemical performance of microbial fuel cell. <b>2018</b> , 339, 539-546	50
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949	Synthesis of stable burger-like □-Fe <sub>2</sub> O <sub>3</sub> catalysts: Formation mechanism and excellent photo-Fenton catalytic performance. <b>2018</b> , 180, 550-559	87
948	Nanoencapsulation of hexavalent chromium with nanoscale zero-valent iron: High resolution chemical mapping of the passivation layer. <b>2018</b> , 67, 4-13	41
947	Novel ferrocene-containing organosilicon polymers and uniform microspheres prepared by free radical copolymerization: Precursors for magnetic Si-C-Fe-(O) nanomaterials. <b>2018</b> , 144, 86-97	9
946	In Situ Synthesis of Efficient Water Oxidation Catalysts in Laser-Induced Graphene. <b>2018</b> , 3, 677-683	64
945	Blood Dots: Hemoglobin-Derived Carbon Dots as Hydrogen Peroxide Sensors and Pro-Drug Activators. <b>2018</b> , 6, 4661-4670	25
944	Enhanced oxygen electroreduction over nitrogen-free carbon nanotube-supported CuFeO <sub>2</sub> nanoparticles. <b>2018</b> , 6, 4331-4336	20
943	Magnetic resonance imaging quantification and biodistribution of magnetic nanoparticles using T-enhanced contrast. <b>2018</b> , 6, 1470-1478	4
942	Novel Fe <sub>3</sub> O <sub>4</sub> nanoparticles-based DGT device for dissolved reactive phosphate measurement. <b>2018</b> , 42, 2874-2881	7
941	X-Shaped □-FeOOH with Enhanced Charge Separation for Visible-Light-Driven Photocatalytic Overall Water Splitting. <b>2018</b> , 11, 1365-1373	31
940	Insights into the enhanced photoelectrochemical performance of hydrothermally controlled hematite nanostructures for proficient solar water oxidation. <b>2018</b> , 47, 4076-4086	8

939	Highly Active Trimetallic NiFeCr Layered Double Hydroxide Electrocatalysts for Oxygen Evolution Reaction. <b>2018</b> , 8, 1703189		342
938	Phase-controllable synthesis of MOF-templated maghemite/carbonaceous composites for efficient photocatalytic hydrogen production. <b>2018</b> , 6, 3571-3582		34
937	Critical role and modification of surface states in hematite films for enhancing oxygen evolution activity. <b>2018</b> , 33, 455-466		32
936	A novel method for synthesis of polyaniline and its application for catalytic degradation of atrazine in a Fenton-like system. <b>2018</b> , 197, 576-584		16
935	Tribological investigations on the application of oil-miscible ionic liquids additives in modified Jatropha-based metalworking fluid. <b>2018</b> , 120, 520-534		36
934	Electrochemical detection of influenza virus H9N2 based on both immunomagnetic extraction and gold catalysis using an immobilization-free screen printed carbon microelectrode. <b>2018</b> , 107, 170-177		50
933	Factors influencing degradation of trichloroethylene by sulfide-modified nanoscale zero-valent iron in aqueous solution. <b>2018</b> , 135, 1-10		113
932	Post-Treatment-Free Solution-Processed Reduced Phosphomolybdic Acid Containing Molybdenum Oxide Units for Efficient Hole-Injection Layers in Organic Light-Emitting Devices. <b>2018</b> , 57, 1950-1957		11
931	Quantitative analysis of Ni <sup>2+</sup> /Ni <sup>3+</sup> in Li[Ni <sub>x</sub> Mn <sub>y</sub> Co <sub>z</sub> ]O <sub>2</sub> cathode materials: Non-linear least-squares fitting of XPS spectra. <i>Applied Surface Science</i> , <b>2018</b> , 441, 1048-1056	6.7	85
930	A high voltage cathode of Na <sub>2</sub> +2xFe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> intensively protected by nitrogen-doped graphene with improved electrochemical performance of sodium storage. <b>2018</b> , 6, 4354-4364		30
929	Facile construction of robust superhydrophobic tea polyphenol/Fe@cotton fabric for self-cleaning and efficient oil/water separation. <b>2018</b> , 25, 1513-1525		35
928	Synthesis of NiO/Fe <sub>2</sub> O <sub>3</sub> nanocomposites as substrate for the construction of electrochemical biosensors. <b>2018</b> , 22, 1763-1770		1
927	Electrochemical activation of novel Fe-based Li-rich cathode material for lithium-ion batteries. <b>2018</b> , 741, 597-603		9
926	Ordered mesoporous Fe <sub>Nx</sub> -doped carbon: a class of highly active and stable catalysts in acids, bases and polymer electrolyte membrane fuel cells. <b>2018</b> , 6, 3941-3953		11
925	Strong Fe-O(H)-Pt Interfacial Interaction Induced Excellent Stability of Pt/NiFe-LDH/rGO Electrocatalysts. <b>2018</b> , 8, 1359		22
924	Iron/ceria spinel (FeCe <sub>2</sub> O <sub>4</sub> ) catalyst for dry reforming of propane to inhibit carbon formation. <b>2018</b> , 61, 142-151		15
923	Dual oxidation state induced oxygen vacancies in Pr substituted BiFeO <sub>3</sub> compounds: An effective material activation strategy to enhance the magnetic and visible light-driven photocatalytic properties. <b>2018</b> , 101, 107-115		22
922	Effect of preparation methods on the structure and catalytic performance of Fe <sub>2</sub> N/K catalysts for CO <sub>2</sub> hydrogenation to light olefins. <b>2018</b> , 26, 761-767		24



921	Characterization of oxide scales formed on alloy 82 in nominal PWR primary water at 340 °C and in hydrogenated steam at 400 °C. <b>2018</b> , 131, 386-403	7
920	Effects of catalyst preparation parameters and reaction operating conditions on the activity and stability of thermally fused Fe-olivine catalyst in the steam reforming of toluene. <b>2018</b> , 43, 127-138	24
919	Z-Scheme in a Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> /β-Fe <sub>2</sub> O <sub>3</sub> photocatalysis system for overall water splitting under visible light. <b>2018</b> , 8, 840-846	33
918	New, Efficient, and Reliable Air Electrode Material for Proton-Conducting Reversible Solid Oxide Cells. <b>2018</b> , 10, 1761-1770	77
917	Enhanced Catalysis of the Electrochemical Oxygen Evolution Reaction by Iron(III) Ions Adsorbed on Amorphous Cobalt Oxide. <b>2018</b> , 8, 807-814	121
916	Reductive degradation of 2,2',4,4'-tetrabromodiphenyl ether with PAC-Pd/Fe nanoparticles: Effects of Pd loading, initial pH and HA, and degradation pathway. <b>2018</b> , 334, 1252-1259	23
915	Reaction behaviors of iron and hematite in sodium aluminate solution at elevated temperature. <b>2018</b> , 175, 257-265	16
914	One-pot fabrication of Hemin-NC composite with enhanced electrocatalysis and application to H <sub>2</sub> O <sub>2</sub> sensing. <b>2018</b> , 261, 206-213	21
913	Treatment of landfill leachate biochemical effluent using the nano-FeO/NaSO system: Oxidation performance, wastewater spectral analysis, and activator characterization. <b>2018</b> , 208, 159-168	30
912	Morphology-controlled synthesis of Ti-doped β-Fe <sub>2</sub> O <sub>3</sub> nanorod arrays as an efficient photoanode for photoelectrochemical applications. <b>2018</b> , 44, 2365-2378	5
911	Cellulose-Based Sensor Containing Phenanthroline for the Highly Selective and Rapid Detection of Fe Ions with Naked Eye and Fluorescent Dual Modes. <b>2018</b> , 10, 2114-2121	62
910	Fabrication of Pd/CuFe <sub>2</sub> O <sub>4</sub> hybrid nanowires: a heterogeneous catalyst for Heck couplings. <b>2018</b> , 42, 1646-1654	16
909	d,l-lysine functionalized FeO nanoparticles for detection of cancer cells. <b>2018</b> , 163, 236-245	27
908	Regeneration of Fe Modified Activated Carbon Treated by HNO <sub>3</sub> for Flue Gas Desulfurization. <b>2018</b> , 32, 765-776	10
907	Colossal change in thermopower with temperature-driven pβ-type conduction switching in La <sub>x</sub> Sr <sub>2-x</sub> TiFeO <sub>6</sub> double perovskites. <b>2018</b> , 51, 065104	3
906	Investigations on the structural, magnetic and optical properties of Sr <sub>2</sub> R co-doped BiFeO <sub>3</sub> multiferroic powders. <b>2018</b> , 29, 5566-5572	
905	Selective reduction of nitrobenzene to aniline over electrocatalysts based on nitrogen-doped carbons containing non-noble metals. <b>2018</b> , 226, 509-522	52
904	Iron-Modified Mesoporous Silica as an Efficient Solid Lewis Acid Catalyst for the Mukaiyama Aldol Reaction. <b>2018</b> , 8, 1932-1944	32

903	Heterojunction ZnWO <sub>4</sub> /ZnFe <sub>2</sub> O <sub>4</sub> composites with concerted effects and integrated properties for enhanced photocatalytic hydrogen evolution. <b>2018</b> , 8, 1083-1093		47
902	Diamond deposition on Fe-Cr-Al alloy substrates: Effect of native oxidation by XPS and XAS investigation. <b>2018</b> , 740, 887-894		11
901	Oxygen reduction electrocatalysis on transition metal-nitrogen modified tungsten carbide nanomaterials. <b>2018</b> , 810, 222-231		16
900	The flotation behavior and adsorption mechanisms of 2-((2-(decyloxy)ethyl)amino)lauric acid on quartz surface. <b>2018</b> , 117, 121-126		30
899	Palladium-Loaded Cucurbit[7]uril-Modified Iron Oxide Nanoparticles for C-C Cross-Coupling Reactions. <b>2018</b> , 24, 2349-2353		9
898	Engineered Cellular Uptake and Controlled Drug Delivery Using Two Dimensional Nanoparticle and Polymer for Cancer Treatment. <b>2018</b> , 15, 679-694		36
897	The transformation and migration of selenium in soil under different Eh conditions. <b>2018</b> , 18, 2935-2947		10
896	Impact of ageing on the fate of molybdate-zerovalent iron nanohybrid and its subsequent effect on cyanobacteria ( <i>Microcystis aeruginosa</i> ) growth in aqueous media. <b>2018</b> , 140, 135-147		11
895	Atomic layer deposition of iron oxide on reduced graphene oxide and its catalytic activity in the thermal decomposition of ammonium perchlorate. <i>Applied Surface Science</i> , <b>2018</b> , 451, 155-161	6.7	28
894	Facile Preparation of Ag-Coated Superhydrophobic/Superoleophilic Mesh for Efficient Oil/Water Separation with Excellent Corrosion Resistance. <b>2018</b> , 34, 6922-6929		44
893	The evaluation of the photocatalytic activity of magnetic and non-magnetic polymorphs of Fe <sub>2</sub> O <sub>3</sub> in natural sunlight exposure: A comparison of photocatalytic activity. <i>Applied Surface Science</i> , <b>2018</b> , 451, 128-140	6.7	15
892	The chemical identity, state and structure of catalytically active centers during the electrochemical CO reduction on porous Fe-nitrogen-carbon (Fe-N-C) materials. <b>2018</b> , 9, 5064-5073		82
891	Heterogeneous activation of peroxymonosulfate by different ferromanganese oxides for tetracycline degradation: Structure dependence and catalytic mechanism. <b>2018</b> , 348, 263-270		61
890	Self-Generated Nanoporous Silver Framework for High-Performance Iron Oxide Pseudocapacitor Anodes. <b>2018</b> , 10, 17223-17231		15
889	Mussel-Inspired General Interface Modification Method and Its Application in Polymer Reinforcement and as a Flame Retardant. <b>2018</b> , 3, 4891-4898		11
888	Preparation of double-shell Co <sub>9</sub> S <sub>8</sub> /Fe <sub>3</sub> O <sub>4</sub> embedded in S/N co-decorated hollow carbon nanoellipsoid derived from Bi-Metal organic frameworks for oxygen evolution reaction. <b>2018</b> , 391, 59-66		22
887	Enhancing CO <sub>2</sub> electrolysis performance with vanadium-doped perovskite cathode in solid oxide electrolysis cell. <b>2018</b> , 50, 43-51		89
886	Bifunctional Electrocatalysts for Overall Water Splitting from an Iron/Nickel-Based Bimetallic Metal-Organic Framework/Dicyandiamide Composite. <b>2018</b> , 130, 9059-9064		52

885	Bifunctional Electrocatalysts for Overall Water Splitting from an Iron/Nickel-Based Bimetallic Metal-Organic Framework/Dicyandiamide Composite. <b>2018</b> , 57, 8921-8926	203
884	Highly sensitive and wearable gas sensors consisting of chemically functionalized graphene oxide assembled on cotton yarn.. <b>2018</b> , 8, 11991-11996	31
883	One-Pot Green Synthesis of Fe <sub>3</sub> O <sub>4</sub> /MoS <sub>2</sub> 0D/2D Nanocomposites and Their Application in Noninvasive Point-of-Care Glucose Diagnostics. <b>2018</b> , 1, 1949-1958	27
882	Phase transformation of Sn in tin-bearing iron concentrates by roasting with FeS <sub>2</sub> in CO-CO <sub>2</sub> mixed gases and its effects on Sn separation. <b>2018</b> , 750, 8-16	8
881	Influence of iron doping on photocatalytic activity of TiO <sub>2</sub> coatings formed on titanium by plasma electrolytic oxidation. <b>2018</b> , 29, 9427-9434	10
880	Enhanced Visible-Light-Driven Photocatalytic Bacterial Inactivation by Ultrathin Carbon-Coated Magnetic Cobalt Ferrite Nanoparticles. <b>2018</b> , 52, 4774-4784	73
879	Fatigue endurance enhancement of Sn-doped Pb(LuNb)O-PbTiO ceramics.. <b>2018</b> , 8, 11633-11642	6
878	Red tetrazolium as an effective inhibitor for the corrosion of cold rolled steel in 7.0 mol/L H <sub>2</sub> SO <sub>4</sub> solution. <b>2018</b> , 26, 2641-2653	6
877	Friction and wear behavior of TiN films against ceramic and steel balls. <b>2018</b> , 124, 61-69	38
876	Directly converting carbon dioxide to linear $\alpha$ -olefins on bio-promoted catalysts. <b>2018</b> , 1,	89
875	Fe <sub>3</sub> O <sub>4</sub> @Ti <sub>3</sub> C <sub>2</sub> MXene hybrids with ultrahigh volumetric capacity as an anode material for lithium-ion batteries. <b>2018</b> , 6, 11189-11197	165
874	Effective degradation of phenol via Fenton reaction over CuNiFe layered double hydroxides. <b>2018</b> , 353, 53-61	58
873	Fe-Ti/Fe (II)-loading on ceramic filter materials for residual chlorine removal from drinking water. <b>2018</b> , 200, 405-411	4
872	Hierarchical nanohoneycomb-like CoMoO <sub>4</sub> /MnO <sub>2</sub> core-shell and Fe <sub>2</sub> O <sub>3</sub> nanosheet arrays on 3D graphene foam with excellent supercapacitive performance. <b>2018</b> , 6, 7182-7193	84
871	The preparation of FeO-ZSM-5 catalysts by metal-organic chemical vapour deposition method for catalytic wet peroxide oxidation of -cresol. <b>2018</b> , 5, 171731	21
870	Insights into the durability of CoFe spinel oxygen evolution electrocatalysts via operando studies of the catalyst structure. <b>2018</b> , 6, 7034-7041	35
869	Iron diselenide combined with hollow graphitic carbon nanospheres as a high-performance anode material for sodium-ion batteries. <b>2018</b> , 339, 97-107	37
868	Effect of bicarbonate on aging and reactivity of nanoscale zerovalent iron (nZVI) toward uranium removal. <b>2018</b> , 201, 603-611	26

867	Rapid Synthesis and Correlative Measurements of Electrocatalytic Nickel/Iron Oxide Nanoparticles. <b>2018</b> , 8, 4584	11
866	Tinidazole degradation assisted by solar radiation and iron-doped silica xerogels. <b>2018</b> , 344, 21-33	26
865	An efficient electrochemical performance of Fe <sub>2</sub> O <sub>3</sub> /CNT nanocomposite coated dried Lagenaria siceraria shell electrode for electrochemical capacitor. <b>2018</b> , 44, 10990-10993	11
864	Electrochemical and spectroscopic characterization of oxide films formed on Alloy 182 in simulated boiling water reactor environment: Effect of dissolved hydrogen. <b>2018</b> , 133, 204-216	5
863	Site energy distribution analysis and influence of FeO nanoparticles on sulfamethoxazole sorption in aqueous solution by magnetic pine sawdust biochar. <b>2018</b> , 233, 510-519	49
862	Room-temperature magnetoelectric coupling in Bi <sub>4</sub> LaFeTi <sub>3</sub> O <sub>15</sub> multiferroic films. <b>2018</b> , 747, 1002-1007	6
861	A novel low-temperature NO removal approach with $\text{DH}$ from catalytic decomposition of H <sub>2</sub> O <sub>2</sub> over La <sub>1-x</sub> CaxFeO <sub>3</sub> oxides. <b>2018</b> , 93, 43-53	22
860	Characterization of ferromagnetic sludge-based activated carbon and its application in catalytic ozonation of p-chlorobenzoic acid. <b>2018</b> , 25, 5086-5094	10
859	Iron and carbon codoped WO <sub>3</sub> with hierarchical walnut-like microstructure for highly sensitive and selective acetone sensor. <b>2018</b> , 256, 27-37	62
858	Characterization of metal-bound water in bioactive Fe(III)-cyclophane complexes. <b>2018</b> , 1154, 225-231	5
857	Microwave-assisted synthesis of iron oxide nanoparticles in biocompatible organic environment. <b>2018</b> , 8, 048201	49
856	Effect of synthesis and activation methods on the catalytic properties of silica nanospring (NS)-supported iron catalyst for Fischer-Tropsch synthesis. <b>2018</b> , 169, 132-141	22
855	Highly ordered structured montmorillonite/brominated butyl rubber nanocomposites: Dramatic enhancement of the gas barrier properties by an external magnetic field. <b>2018</b> , 546, 22-30	15
854	Antifouling and anticorrosion properties of one-pot synthesized dedoped bromo-substituted polyaniline and its composite coatings. <b>2018</b> , 334, 7-18	18
853	Evaluating spinel ferrites MFe <sub>2</sub> O <sub>4</sub> (M = Cu, Mg, Zn) as photoanodes for solar water oxidation: prospects and limitations. <b>2018</b> , 2, 103-117	93
852	Aerobic Oxygenation of Alkylarenes over Ultrafine Transition-Metal-Containing Manganese-Based Oxides. <b>2018</b> , 10, 1096-1106	19
851	Surface modification of iron oxides by ion bombardment I Comparing depth profiling by HAXPES and Ar ion sputtering. <b>2018</b> , 224, 23-26	18
850	Low-temperature preparation of Si <sub>3</sub> N <sub>4</sub> whiskers bonded/reinforced SiC porous ceramics via foam-gelcasting combined with catalytic nitridation. <b>2018</b> , 38, 1210-1218	48

849	Single step, phase controlled, large scale synthesis of ferrimagnetic iron oxide polymorph nanoparticles by thermal plasma route and their rheological properties. <b>2018</b> , 449, 232-242	6
848	Defects and interface states related photocatalytic properties in reduced and subsequently nitridized Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> . <b>2018</b> , 34, 931-941	16
847	Performance and mechanism of As(III) removal from water using Fe-Al bimetallic material. <b>2018</b> , 191, 314-321	11
846	Effects of rare earth doping on multi-core iron oxide nanoparticles properties. <i>Applied Surface Science</i> , <b>2018</b> , 428, 492-499	6.7 17
845	Niobium Doped Lanthanum Strontium Ferrite as A Redox-Stable and Sulfur-Tolerant Anode for Solid Oxide Fuel Cells. <b>2018</b> , 11, 254-263	43
844	Development of sludge-derived mesoporous material with loaded nano CaO <sub>2</sub> and doped Fe for re-utilization of dewatered waste-activated sludge as dewatering aids. <b>2018</b> , 335, 161-168	15
843	N-doped coaxial CNTs@Fe <sub>2</sub> O <sub>3</sub> @C nanofibers as anode material for high performance lithium ion battery. <b>2018</b> , 27, 1453-1460	24
842	High-temperature water-gas shift over Fe/Ce/Co spinel catalysts: Study of the promotional effect of Ce and Co. <b>2018</b> , 451, 20-32	35
841	Design of ultra-active iron-based Fischer-Tropsch synthesis catalysts over spherical mesoporous carbon with developed porosity. <b>2018</b> , 334, 714-724	39
840	Lead removal by a magnetic biochar derived from persulfate-ZVI treated sludge together with one-pot pyrolysis. <b>2018</b> , 247, 463-470	99
839	Graphene structure boosts electron transfer of dual-metal doped carbon dots in photooxidation. <b>2018</b> , 126, 128-134	39
838	Facile electrochemical synthesis of nano iron porous coordination polymer using scrap iron for simultaneous and cost-effective removal of organic and inorganic arsenic. <b>2018</b> , 29, 456-460	16
837	Graphene oxide-decorated Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> microflowers as a promising anode for lithium and sodium storage. <b>2018</b> , 11, 1285-1293	18
836	Lead and cadmium remediation using magnetized and nonmagnetized biochar from Douglas fir. <b>2018</b> , 331, 480-491	125
835	Enhanced machining performance and lubrication mechanism of electrostatic minimum quantity lubrication-EMQL milling process. <b>2018</b> , 94, 655-666	10
834	Synthesis and photochemical properties of ferrotitanate In <sub>4</sub> FeTi <sub>3</sub> O <sub>13.5</sub> with layer structure. <i>Applied Surface Science</i> , <b>2018</b> , 427, 636-644	6.7 2
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832	Cobalt ferrite nanoparticles with controlled composition-peroxymonosulfate mediated degradation of 2-phenylbenzimidazole-5-sulfonic acid. <b>2018</b> , 221, 266-279	102

831	Comprehensive study on the influence of molybdenum substitution on characteristics and catalytic performance of magnetite nanoparticles. <b>2018</b> , 44, 883-900	14
830	Fabrication of ofloxacin imprinted polymer on the surface of magnetic carboxylated cellulose nanocrystals for highly selective adsorption of fluoroquinolones from water. <b>2018</b> , 107, 453-462	44
829	Magnetic properties of pulsed laser deposited $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ (0.10 $\leq x \leq 0.70$ ) thin films. <b>2018</b> , 448, 192-198	5
828	Superior lithium adsorption and required magnetic separation behavior of iron-doped lithium ion-sieves. <b>2018</b> , 332, 160-168	47
827	High peroxidase-like activity of metallic cobalt nanoparticles encapsulated in metal-organic frameworks derived carbon for biosensing. <b>2018</b> , 255, 2050-2057	52
826	Magnetic $\text{Fe}_2\text{O}_3$ /mesoporous black $\text{TiO}_2$ hollow sphere heterojunctions with wide-spectrum response and magnetic separation. <b>2018</b> , 221, 235-242	70
825	Preparation and optical properties of $\text{Bi}_2\text{FeVMoO}_{10}$ nanoparticles structurally derived from cation-substitutions in Scheelite-type $\text{BiVO}_4$ . <b>2018</b> , 100, 145-152	
824	An Fe(II) metal-organic framework as a visible responsive photo-Fenton catalyst for the degradation of organophosphates. <b>2018</b> , 42, 29-33	17
823	A low-cost clay-based heterogeneous Fenton-like catalyst: Activation, efficiency enhancement, and mechanism study. <b>2018</b> , 13, e2156	4
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821	Enhancing the efficiency of zero valent iron by electrolysis: Performance and reaction mechanism. <b>2018</b> , 194, 189-199	12
820	Surface manganese substitution in magnetite nanocrystals enhances T contrast ability by increasing electron spin relaxation. <b>2018</b> , 6, 401-413	21
819	A Highly Efficient Oxygen Evolution Catalyst Consisting of Interconnected Nickel-Iron-Layered Double Hydroxide and Carbon Nanodomains. <b>2018</b> , 30, 1705106	153
818	Electrochemical Sensing of Hydrogen Peroxide Using Block Copolymer Templated Iron Oxide Nanopatterns. <b>2018</b> , 90, 1122-1128	27
817	Sodium-Rich Ferric Pyrophosphate Cathode for Stationary Room-Temperature Sodium-Ion Batteries. <b>2018</b> , 10, 502-508	30
816	Synthesis, characterization, and growth mechanism of motifs of ultrathin cobalt-substituted $\text{NaFeSi}_2\text{O}_6$ nanowires. <b>2018</b> , 20, 223-236	3
815	Removal of chromate from aqueous solution by reduction with nanoscale Fe-Al layered double hydroxide. <b>2018</b> , 44, 2319-2331	7
814	Synthesis of bentonite-supported Fe(II) and heteropolyacid (HPW) composite through a mechanochemical processing. <b>2018</b> , 152, 342-351	14

813	Fe <sub>3</sub> O <sub>4</sub> -TiO <sub>2</sub> : Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. <b>2018</b> , 325, 441-451	23
812	Synthesis of Al <sub>2</sub> O <sub>3</sub> with tunable pore size for efficient formaldehyde oxidation degradation performance. <b>2018</b> , 53, 3375-3387	6
811	Benchmarking the Oxygen Reduction Electroactivity of First-Row Transition-Metal Oxide Clusters on Carbon Nanotubes. <b>2018</b> , 5, 1862-1867	7
810	Ilex paraguariensis Extract-Coated Magnetite Nanoparticles: A Sustainable Nano-adsorbent and Antioxidant. <b>2018</b> , 28, 519-527	9
809	Solution combustion synthesis of nanostructured iron oxides with controllable morphology, composition and electrochemical performance. <b>2018</b> , 44, 4237-4247	21
808	Environmental-friendly red-orange ceramic pigment based on Pr and Fe co-doped Y <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> . <b>2018</b> , 38, 2210-2217	17
807	XPS study of neptunium and plutonium doped iron-bearing and iron-free sodium-aluminum-phosphate glasses. <b>2018</b> , 482, 23-29	10
806	Wear and damage transitions of two kinds of wheel materials in the rolling-sliding contact. <b>2018</b> , 398-399, 79-89	25
805	High resistance ratio of bipolar resistive switching in a multiferroic/high-K Bi(Fe <sub>0.95</sub> Cr <sub>0.05</sub> )O <sub>3</sub> /ZrO <sub>2</sub> /Pt heterostructure. <i>Applied Surface Science</i> , <b>2018</b> , 434, 687-692	6.7 8
804	Comment on Designed oxygen carriers from macroporous LaFeO <sub>3</sub> supported CeO <sub>2</sub> for chemical-looping reforming of methane by Zheng et al. [Appl. Catal. B: Environ., 202 (2017) 5183. doi: 10.1016/j.apcatb.2016.08.024]. <b>2018</b> , 224, 419-423	1
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802	Chelation and calcination promoted preparation of perovskite-structured BiFeO <sub>3</sub> nanoparticles: a novel magnetic catalyst for the synthesis of dihydro-2-oxypyrrroles. <b>2018</b> , 53, 3163-3188	23
801	Facile synthesis of CuFe <sub>2</sub> O <sub>4</sub> crystals efficient for water oxidation and H <sub>2</sub> O <sub>2</sub> reduction. <b>2018</b> , 735, 654-659	23
800	Magnetic studies on Sm <sub>0.55</sub> Sr <sub>0.45</sub> Mn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>3</sub> single crystals grown by optical floating zone technique. <b>2018</b> , 99, 409-413	1
799	Preparation of Magnetic Hyper-Cross-Linked Polymers for the Efficient Removal of Antibiotics from Water. <b>2018</b> , 6, 210-222	37
798	Synthesis and characterization of CuFeMnO <sub>4</sub> prepared by co-precipitation method. <b>2018</b> , 53, 3581-3589	10
797	Galvanic effect of magnetite on the corrosion behavior of carbon steel in deaerated alkaline solutions under flowing conditions. <b>2018</b> , 131, 71-80	25
796	Synthesis and characterization of iron-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> microspheres as anode for lithium-ion batteries. <b>2018</b> , 735, 1871-1877	14



795	Fe-polyaniline composite nanofiber catalyst for chemoselective hydrolysis of oxime. <b>2018</b> , 513, 592-601	9
794	Enhanced magnetocaloric effect of $\text{Sr}_{1.8}\text{Eu}_{0.13}\text{Ba}_{0.07}\text{FeMoO}_6$ perovskite compound. <b>2018</b> , 44, 2761-2767	8
793	The facile in situ preparation and characterization of C/FeOF/FeF <sub>3</sub> nanocomposites as LIB cathode materials. <b>2018</b> , 24, 1561-1569	4
792	High-purity helical carbon nanotubes by trace-water-assisted chemical vapor deposition: Large-scale synthesis and growth mechanism. <b>2018</b> , 11, 3327-3339	19
791	Electrolysis assisted persulfate with annular iron sheet as anode for the enhanced degradation of 2, 4-dinitrophenol in aqueous solution. <b>2018</b> , 344, 778-787	35
790	Investigation of Superparamagnetism in Microwave and Conventional Processed $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Nanoparticles. <b>2018</b> , 31, 815-820	1
789	Chemical coloring on stainless steel by ultrasonic irradiation. <b>2018</b> , 40, 558-566	8
788	XPS and SEM analysis of the surface of gas atomized powder precursor of ODS ferritic steels obtained through the STARS route. <i>Applied Surface Science</i> , <b>2018</b> , 427, 182-191	6.7 21
787	Perfluorooctane sulfonate (PFOS) removal with Pd/nFe nanoparticles: Adsorption or aqueous Fe-complexation, not transformation?. <b>2018</b> , 342, 20-28	26
786	Methoden der Humusanalyse. <b>2018</b> , 1-34	
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784	Nanocrystalline Mn-doped and Mn/Fe co-doped Ceria Solid Solutions for Low Temperature CO Oxidation. <b>2018</b> , 3, 103-113	2
783	A New Family of Heterometallic $\text{LnIII}[12\text{-MCFellIN}(\text{shi})\text{-4}]$ Complexes: Syntheses, Structures and Magnetic Properties. <b>2018</b> , 8, 229	7
782	Self-assembled 3D flower-like $\text{Fe}_3\text{O}_4/\text{C}$ architecture with superior lithium ion storage performance. <b>2018</b> , 6, 24940-24948	62
781	Continuous flow synthesis of phosphate binding h-BN@magnetite hybrid material.. <b>2018</b> , 8, 40829-40835	9
780	Fault Diagnosis in a Gyroscope-Based Six-Axis Accelerometer. <b>2018</b> , 42, 103-114	3
779	Graphene Oxide/Iron Oxide Nanocomposites for Water Remediation. <b>2018</b> , 1, 6724-6732	34
778	Electrocatalytic Water Reduction Beginning with a $\{\text{Fe}(\text{NO})\}$ -Reduced Dinitrosyliron Complex: Identification of Nitrogen-Doped FeO (OH) as a Real Heterogeneous Catalyst. <b>2018</b> , 57, 14715-14726	8

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776	Self-Assembled Sandwich-like MXene-Derived Nanocomposites for Enhanced Electromagnetic Wave Absorption. <b>2018</b> , 10, 42925-42932	100
775	Highly Efficient Removal of Suspended Solid Pollutants from Wastewater by Magnetic Fe <sub>3</sub> O <sub>4</sub> -Graphene Oxides Nanocomposite. <b>2018</b> , 3, 11643-11648	2
774	Efficient organic dye removal from wastewater by magnetic carbonaceous adsorbent prepared from corn starch. <b>2018</b> , 6, 7119-7131	61
773	Ferromagnetic Properties of N-Doped and Undoped TiO <sub>2</sub> /Rutile Single-Crystal Wafers with Addition of Tungsten Trioxide. <b>2018</b> , 11,	0
772	Surface Observation and Magnetism of Oil-Extracted Botryococcus braunii Residues before and after Carbonization. <b>2018</b> , 4, 10	0
771	Zn Ion Surface Enrichment in Doped Iron Oxide Nanoparticles Leads to Charge Carrier Density Enhancement. <b>2018</b> , 3, 16328-16337	5
770	Negative and positive photodielectric effects in quantum paraelectric BaFe <sub>12</sub> O <sub>19</sub> single crystals. <b>2018</b> , 6, 12707-12713	1
769	Production of Metal-Free Diamond Nanoparticles. <b>2018</b> , 3, 16099-16104	7
768	High-temperature Magnetodielectric Bi(Fe <sub>0.5</sub> Mn <sub>0.5</sub> )O <sub>3</sub> Thin Films with Checkerboard-Ordered Oxygen Vacancies and Low Magnetic Damping. <b>2018</b> , 10,	10
767	Construction of Z-Scheme g-C <sub>3</sub> N <sub>4</sub> /CNT/BiFeO <sub>3</sub> Composites with Improved Simulated-Sunlight Photocatalytic Activity for the Dye Degradation. <b>2018</b> , 9,	59
766	Photoelectrocatalytic oxidation of As(III) over hematite photoanodes: A sensible indicator of the presence of highly reactive surface sites. <b>2018</b> , 292, 828-837	9
765	Widened Active Temperature Window of a Fe-ZSM-5 Catalyst by an Impregnation Solvent for NH <sub>3</sub> -SCR of NO. <b>2018</b> , 57, 13703-13712	13
764	Reprint of Photoelectrocatalytic behavior of electrodeposited zinc ferrite films with varying Zn:Fe ratio <b>2018</b> , 366, 18-26	
763	Simultaneous removal of organic matter and iron from hydraulic fracturing flowback water through sulfur cycling in a microbial fuel cell. <b>2018</b> , 147, 461-471	30
762	Oxychlorination of methane over FeO <sub>x</sub> /CeO <sub>2</sub> catalysts. <b>2018</b> , 35, 2185-2190	9
761	Gas-Phase Phosphorous Poisoning of a Pt/Ba/Al <sub>2</sub> O <sub>3</sub> NO <sub>x</sub> Storage Catalyst. <b>2018</b> , 8, 155	5
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758	Mechanistic insights into adsorption and reduction of hexavalent chromium from water using magnetic biochar composite: Key roles of FeO and persistent free radicals. <b>2018</b> , 243, 1302-1309	112
757	Chemistry of black leaf films synthesised using rail steels and their influence on the low friction mechanism.. <b>2018</b> , 8, 32506-32521	7
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755	Graphene layers-wrapped FeNiP nanoparticles embedded in nitrogen-doped carbon nanofiber as an active and durable electrocatalyst for oxygen evolution reaction. <b>2018</b> , 290, 649-656	40
754	Corrosion Resistance of Mild Steel Coated with Organic Material Containing Pyrazol Moiety. <b>2018</b> , 8, 330	33
753	Silicone oil-based solar-thermal fluids dispersed with PDMS-modified Fe <sub>3</sub> O <sub>4</sub> @graphene hybrid nanoparticles. <b>2018</b> , 28, 554-562	21
752	Multiferroic behavior of CoFe <sub>1.6</sub> Al <sub>0.4</sub> O <sub>4</sub> spinel thin films. <b>2022</b> , 131900	
751	Microstructure, high-temperature oxidation and molten salt corrosion behaviour of CoCrFeNiAl <sub>0.1</sub> -RE HEA. 1-15	
750	Iron-phosphate glass-ceramic anodes for lithium-ion batteries.	
749	Analysis of the effect of cationic ratio Bi <sup>3+</sup> /Fe <sup>3+</sup> on the magnetic and multiferroic properties of BiFeO <sub>3</sub> nanoparticles synthesized using a sonochemical-assisted method. <b>2022</b> ,	0
748	Synthesis and characterization of Fe/Mn co-doped CuCr <sub>2</sub> O <sub>4</sub> black pigment with high near-infrared reflectance. <b>2022</b> , 234, 240-250	0
747	In-situ synthesis of F-doped FeOOH nanorods on graphene as anode materials for high lithium storage. <b>2022</b> , 905, 164142	0
746	Influence of ZrO <sub>2</sub> content on the chemical durability and structure of P <sub>2</sub> O <sub>5</sub> -Fe <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-ZrO <sub>2</sub> glass ceramics. <b>2022</b> , 582, 121446	1
745	Ni-doping Cu-Prussian blue analogue/carbon nanotubes composite (Ni-CuPBA/CNTs) with 3D electronic channel-rich network structure for capacitive deionization. <b>2022</b> , 528, 115622	0
744	Selective production of alkanes and fatty alcohol via hydrodeoxygenation of palmitic acid over red mud-supported nickel catalysts. <b>2022</b> , 314, 122780	0
743	Understanding the nature of passivation film formed during corrosion of Fe <sub>39</sub> Mn <sub>20</sub> Co <sub>20</sub> Cr <sub>15</sub> Si <sub>5</sub> Al <sub>1</sub> high entropy alloy in 3.5 wt% NaCl solution. <b>2022</b> , 904, 164100	1
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- 741 Recasting Iron-Rich Copper Slag into Functional Adsorbents for Hexavalent Chromium Removal.
- 740 Oxidation of Co and Co-CH<sub>3</sub>OH Mixtures Over Iron-Cobalt Mixed Oxides.
- 739 Nanocrystalline SnO<sub>2</sub>-modified electrode for ultra-sensitive mercury ion detection. **2022**, 1-1 o
- 738 Large-scale synthesis of ultrafine FeC nanoparticles embedded in mesoporous carbon nanosheets for high-rate lithium storage.. **2022**, 12, 6508-6514 o
- 737 Enhanced CO capture properties of Li<sub>2</sub>MnO<sub>3</sub> via inducing layered to spinel transition by cation doping with Fe, Co, Ni and Cu. 1
- 736 Separation of Fe from Wastewater and its Use for NO<sub>x</sub> Reduction; a Sustainable Approach for Environmental Remediation.
- 735 Corrosion Behavior of Iron-Based Composites in Neutral Salt Spray Environment.
- 734 Multivalent Polypeptide and Tannic Acid Cooperatively Coordinated Iron Nanohybrids for Synergistic Cancer Photothermal Ferrotherapy.
- 733 Catalytic Activities of the Vaterite and the Calcite Based Solid Supported Catalysts for Spontaneous Fenton-Like Dye Degradation: A Comparative Study.
- 732 Understanding the Formation of a Cubic Mn<sub>0.6</sub>Fe<sub>0.4</sub>s Solid-Solution Anode and its High Performance for Rechargeable Lithium-Ion Batteries.
- 731 The Fe-PyPA Catalyzed Cycloaddition of Carbon Dioxide and Epoxides: Synthetic Optimization and Mechanistic Study.
- 730 Oxygen-Doped Biochar for the Activation of Ferrate for the Highly Efficient Degradation of Sulfadiazine with Distinct Pathway.
- 729 Cadmium Removal Mechanistic Comparison of Three Fe-Based Nanomaterials: Roles of Fe Dissolution and Water-Chemistry.
- 728 Fe-Doped MnO<sub>2</sub> Nanostructures for Attenuation Impedance Balance-Boosted Microwave Absorption. **2022**, 5, 2738-2747 1
- 727 Controlling Metal Clusters in Breathing Metal-Organic Framework Nanostructures for Boosting Visible-Light-Induced •OH Radical Formation. **2022**, 5, 2510-2521 o
- 726 Viscosity and Its Correlation to the Ionic Structure of CaO-Al<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub> Slags with Various La<sub>2</sub>O<sub>3</sub> Additions. **2022**, 53, 1295-1307 1
- 725 Induction Heating of Magnetically Susceptible Nanoparticles for Enhanced Hydrogenation of Oleic Acid.. **2022**, 5, 3676-3685 o
- 724 Synthesis and Characterization of Dual-ion-Crosslinked Magnetic Sodium Alginate-Based Fe-SA-Y@Fe<sub>3</sub>O<sub>4</sub> Biogel Composite with Ultrastrong Performance for Azo Dye Removal. 1 o

723	Heterogeneous Ti/PbO-electro-Fenton degradation of aromatic methane dyes using industrial pyrite waste slag as catalyst.. <b>2022</b> , 1	0
722	Iron-Activated Carbon Systems to Enhance Aboriginal Aerobic Denitrifying Bacterial Consortium for Improved Treatment of Micro-Polluted Reservoir Water: Performances, Mechanisms, and Implications.. <b>2022</b> ,	6
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- 172 Green Phosphate Route of Regeneration of LiFePO<sub>4</sub> Composite Materials from Spent Lithium-Ion Batteries. **2023**, 62, 1181-1194 o
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- 164 Facet-Dependent Photocatalytic Behavior of Fe-soc-MOF for Carbon Dioxide Reduction. **2023**, 15, 3348-3356 o
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- 139 Magnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles decorated phosphorus-doped biochar-attapulgit/bismuth film electrode for smartphone-operated wireless portable sensing of ultra-trace multiple heavy metal ions. **2023**, 190, ○
- 138 Improved cell performance and sulphur tolerance using A-site substituted Sr<sub>2</sub>Fe<sub>1.4</sub>Ni<sub>0.1</sub>Mo<sub>0.5</sub>O<sub>6</sub> electrodes for solid-oxide fuel cells. **2023**, 7, 70-83 ○
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- 130 Vanadium extraction from water-cooled vanadium converter slag via salt-free roasting and acid leaching. **2023**, 172, 727-737 ○

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- 124 Facile preparation of nanocellulose/multi-walled carbon nanotube/polyaniline composite aerogel electrodes with high area-specific capacitance for supercapacitors. **2023**, 238, 124158 ○
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- 86 A hybrid Carbon<sub>11</sub>1.3Al<sub>0.3</sub>Ti<sub>1.7</sub>(PO<sub>4</sub>)<sub>3</sub> conductive coating for high current rate LiFePO<sub>4</sub> cathode material. **2023**, 461, 141750 1
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- 26 Synthesis, characterization, and Vickers microhardness for (YIG)<sub>x</sub>/(Bi,Pb)-2223 superconducting phase. **2023**, ○
- 25 Coupling acid catalysis and selective oxidation over MoO<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub> for chemical looping oxidative dehydrogenation of propane. **2023**, 14, ○
- 24 Optimization of sol-gel prepared SiO<sub>2</sub> coating and FeSiCr@SiO<sub>2</sub> soft magnetic composites based on critical ammonia concentration. **2023**, 127765 ○
- 23 Processing and Physicochemical Properties of Magnetite Nanoparticles Coated with Curcuma longa L. Extract. **2023**, 16, 3020 ○
- 22 In-Situ Formation of NiFe-MOF on Nickel Foam as a Self-Supporting Electrode for Flexible Electrochemical Sensing and Energy Conversion. **2023**, 11, 242 ○

- 21 Adsorption of arsenate from groundwater through a fixed bed using iron-coated natural fibres: reusability and sorbent characterisation. 1-17 ○
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- 19 Efficient removal of tetracycline in water by a Fe<sub>3</sub>O<sub>4</sub>-mediated persulfate activation and biodegradation coupled system: Performance, validation, and mechanism. **2023**, 53, 103718 ○
- 18 Micellar Nanoreactors Enabled Site-Selective Decoration of Pt Nanoparticles Functionalized Mesoporous SiO<sub>2</sub>/WO<sub>3</sub> Composites for Improved CO Sensing. ○
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- 11 Promoting mechanism of CuO on catalytic performance of CeFe catalyst for simultaneous removal of NO and CO. **2023**, 347, 128435 ○
- 10 Low-Pressure Microwave Plasma Reduction of Iron and Copper Salt Compounds at Low Temperatures for Oxidation State Alteration and Functional Applications. **2023**, 16, 3221 ○
- 9 Chemical Looping Conversion of Methane via Fe<sub>2</sub>O<sub>3</sub>-LaFeO<sub>3</sub> Calcined from LaFe-MOF Precursor. **2023**, ○
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- 7 PdRh-Sensitized Iron Oxide Ultrathin Film Sensors and Mechanistic Investigation by Operando TEM and DFT Calculation. ○
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