Seong-Ju Hwang

List of Publications by Year in Descending Order

273 papers	8,313 citations	48 h-index	79 g-index
287 ext. papers	9,289 ext. citations	7.7 avg, IF	6.29 L-index

#	Paper	IF	Citations
273	Monolayer Graphitic Carbon Nitride as Metal-Free Catalyst with Enhanced Performance in Photo- and Electro-Catalysis.. *Nano-Micro Letters*, **2022**, 14, 55	19.5	5
272	A Crucial Role of Enhanced Volmer□Tafel Mechanism in Improving the Electrocatalytic Activity via Synergetic Optimization of Host, Interlayer, and Surface Features of 2D Nanosheets. *Applied Catalysis B: Environmental*, **2022**, 121391	21.8	2
271	Composition-controlled ultrathin holey TiO1□Nx nanosheets as powerful hybridization matrices for highly mass-efficient electrocatalysts. *Chemical Engineering Journal*, **2022**, 437, 135415	14.7	1
270	Water-assisted formation of amine-bridged carbon nitride: A structural insight into the photocatalytic performance for H2 evolution under visible light. *Applied Catalysis B: Environmental*, **2022**, 310, 121313	21.8	0
269	A one-pot carbon-coating-ex-solution route to efficient Ru-MnO@C nanowire electrocatalysts with enhanced interfacial interactions. *Chemical Engineering Journal*, **2022**, 446, 136816	14.7	
268	Multilayer Conductive Hybrid Nanosheets as Versatile Hybridization Matrices for Optimizing the Defect Structure, Structural Ordering, and Energy-Functionality of Nanostructured Materials. *Advanced Science*, **2021**, e2103042	13.6	3
267	Atomically Dispersed Co -N and Fe-N Costructures Boost Oxygen Reduction Reaction in Both Alkaline and Acidic Media. *Advanced Materials*, **2021**, e2104718	24	41
266	In Situ Defect Engineering Route to Optimize the Cationic Redox Activity of Layered Double Hydroxide Nanosheet via Strong Electronic Coupling with Holey Substrate. *Advanced Science*, **2021**, e2103368	13.6	4
265	High-Performance Hybrid Photocatalysts: Molecular-Level Control of the Intersheet Distance and Electronic Coupling between 2D Semiconducting and Metallic Nanosheets: Establishing Design Rules for High-Performance Hybrid Photocatalysts (Adv. Sci. 7/2021). *Advanced Science*, **2021**, 8, 2170036	13.6	78
264	Lattice Engineering to Simultaneously Control the Defect/Stacking Structures of Layered Double Hydroxide Nanosheets to Optimize Their Energy Functionalities. *ACS Nano*, **2021**, 15, 8306-8318	16.7	16
263	Synergetic Advantages of Atomically Coupled 2D Inorganic and Graphene Nanosheets as Versatile Building Blocks for Diverse Functional Nanohybrids. *Advanced Materials*, **2021**, 33, e2005922	24	14
262	Enhanced interfacial electron transfer between thylakoids and RuO nanosheets for photosynthetic energy harvesting. *Science Advances*, **2021**, 7,	14.3	3
261	Synergetic Hybridization Effect of Homogeneously Mixed Inorganic and Graphene Nanosheets on the Photocatalytic Activity of Semiconductor. *Solar Rrl*, **2021**, 5, 2000411	7.1	3
260	Molecular-Level Control of the Intersheet Distance and Electronic Coupling between 2D Semiconducting and Metallic Nanosheets: Establishing Design Rules for High-Performance Hybrid Photocatalysts. *Advanced Science*, **2021**, 8, 2004530	13.6	5
259	Synergetic Hybridization Effect of Homogeneously Mixed Inorganic and Graphene Nanosheets on the Photocatalytic Activity of Semiconductor. *Solar Rrl*, **2021**, 5, 2170025	7.1	
258	Complementary combinative strategy of defect engineering and graphene coupling for efficient energy-functional materials. *Chemistry - an Asian Journal*, **2021**, 16, 3937-3943	4.5	1
257	MnO2-based nanostructured materials for various energy applications. *Materials Chemistry Frontiers*, **2021**, 5, 3549-3575	7.8	7

256	Recent Advances in Developing Hybrid Materials for Sodium-Ion Battery Anodes. *ACS Energy Letters*, **2020**, 5, 1939-1966	20.1	82
255	Electrocatalysts: Synergistic Control of Structural Disorder and Surface Bonding Nature to Optimize the Functionality of Manganese Oxide as an Electrocatalyst and a Cathode for Li□O2 Batteries (Small 12/2020). *Small*, **2020**, 16, 2070062	11	
254	Monolayered g-C3N4 nanosheet as an emerging cationic building block for bifunctional 2D superlattice hybrid catalysts with controlled defect structures. *Applied Catalysis B: Environmental*, **2020**, 277, 119191	21.8	31
253	2D inorganic nanosheets as versatile building blocks for hybrid electrode materials for supercapacitor. *Coordination Chemistry Reviews*, **2020**, 421, 213439	23.2	40
252	Recent advances in two-dimensional inorganic nanosheet-based supercapacitor electrodes. *Journal of the Korean Ceramic Society*, **2020**, 57, 119-134	2.2	9
251	Unique advantages of 2D inorganic nanosheets in exploring high-performance electrocatalysts: Synthesis, application, and perspective. *Coordination Chemistry Reviews*, **2020**, 415, 213280	23.2	34
250	Dramatic Change of Morphological, Photophysical, and Photocatalytic H2 Evolution Properties of C3N4 Materials by the Removal of Carbon Impurities. *ACS Applied Energy Materials*, **2020**, 3, 4812-4820	6.1	10
249	Interstratified heterostructures of metal hydroxide nanoclusters and MoS monolayers with improved electrode performance. *Nanoscale*, **2020**, 12, 11759-11766	7.7	5
248	Structural Changes of 2D FexMn1□xO2 Nanosheets for Low-Temperature Growth of Carbon Nanotubes. *Advanced Functional Materials*, **2020**, 30, 2003849	15.6	3
247	Unique bi-directional coordinative interaction of 2D inorganic nanosheet with Prussian blue nanocrystal for optimizing its functionality. *Nano Energy*, **2020**, 78, 105255	17.1	9
246	Crucial roles of interfacial coupling and oxygen defect in multifunctional 2D inorganic nanosheets. *Nano Energy*, **2020**, 67, 104192	17.1	23
245	Synergistic Control of Structural Disorder and Surface Bonding Nature to Optimize the Functionality of Manganese Oxide as an Electrocatalyst and a Cathode for Li-O Batteries. *Small*, **2020**, 16, e1903265	11	17
244	Understanding the relative efficacies and versatile roles of 2D conductive nanosheets in hybrid-type photocatalyst. *Applied Catalysis B: Environmental*, **2019**, 257, 117875	21.8	14
243	Two-dimensional RuO2 nanosheets as robust catalysts for peroxymonosulfate activation. *Environmental Science: Nano*, **2019**, 6, 2084-2093	7.1	22
242	Highly Selective Photoreduction of CO2 with Suppressing H2 Evolution over Monolayer Layered Double Hydroxide under Irradiation above 600 nm. *Angewandte Chemie*, **2019**, 131, 11986-11993	3.6	30
241	Highly Selective Photoreduction of CO with Suppressing H Evolution over Monolayer Layered Double Hydroxide under Irradiation above 600 nm. *Angewandte Chemie - International Edition*, **2019**, 58, 11860-11867	16.4	109
240	Multilayer hybrid nanosheet of mesoporous carbon□layered metal oxide as a highly efficient electrocatalyst for Li□O2 batteries. *Applied Catalysis B: Environmental*, **2019**, 254, 523-530	21.8	18
239	Organic Intercalant-Free Liquid Exfoliation Route to Layered Metal-Oxide Nanosheets via the Control of Electrostatic Interlayer Interaction. *ACS Applied Materials & Interfaces*, **2019**, 11, 12121-12132	9.5	16

238	Fullerene as an efficient hybridization matrix for exploring high-performance layered-double-hydroxide-based electrodes. *Journal of Materials Chemistry A*, **2019**, 7, 10971-10979	13	22
237	Revealing the Flexible 1D Primary and Globular Secondary Structures of Sulfur-Rich Amorphous Transition Metal Polysulfides. *ChemNanoMat*, **2019**, 5, 1488-1497	3.5	4
236	A phase transformation route to porous 2D Mn3O4 nanosheets with promising anode performance for Li-ion batteries. *Emergent Materials*, **2019**, 2, 487-494	3.5	2
235	1D Composite Nanorods of Cobalt Phosphide-Cobalt Sulfide with Improved Electrocatalyst Performance. *ChemCatChem*, **2019**, 11, 6099-6104	5.2	8
234	Remarkable influence of the local symmetry of substituted 3d metal ion on bifunctional electrocatalyst performance of □MnO2 nanowire. *Journal of Solid State Chemistry*, **2019**, 269, 354-360	3.3	10
233	2D inorganic nanosheet-based hybrid photocatalysts: Design, applications, and perspectives. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2019**, 40, 150-190	16.4	57
232	Holey 2D Nanosheets of Low-Valent Manganese Oxides with an Excellent Oxygen Catalytic Activity and a High Functionality as a Catalyst for Li□2 Batteries. *Advanced Functional Materials*, **2018**, 28, 1707106	15.6	37
231	One-pot synthesis of layered double hydroxide hollow nanospheres with ultrafast removal efficiency for heavy metal ions and organic contaminants. *Chemosphere*, **2018**, 201, 676-686	8.4	31
230	Exfoliated 2D Lepidocrocite Titanium Oxide Nanosheets for High Sulfur Content Cathodes with Highly Stable Li□S Battery Performance. *ACS Energy Letters*, **2018**, 3, 412-419	20.1	78
229	An Effective Way to Improve Bifunctional Electrocatalyst Activity of Manganese Oxide via Control of Bond Competition. *Applied Catalysis B: Environmental*, **2018**, 236, 107-116	21.8	34
228	Bifunctional 2D Superlattice Electrocatalysts of Layered Double Hydroxide□Transition Metal Dichalcogenide Active for Overall Water Splitting. *ACS Energy Letters*, **2018**, 3, 952-960	20.1	89
227	Recent Applications of 2D Inorganic Nanosheets for Emerging Energy Storage System. *Chemistry - A European Journal*, **2018**, 24, 4757-4773	4.8	40
226	Application of Exfoliated Inorganic Nanosheets for Strongly-Coupled Hybrid Photocatalysts. *Solar Rrl*, **2018**, 2, 1800092	7.1	16
225	A rational method to kinetically control the rate-determining step to explore efficient electrocatalysts for the oxygen evolution reaction. *NPG Asia Materials*, **2018**, 10, 659-669	10.3	35
224	Heterolayered 2D nanohybrids of uniformly stacked transition metal dichalcogenide□transition metal oxide monolayers with improved energy-related functionalities. *Journal of Materials Chemistry A*, **2018**, 6, 15237-15244	13	25
223	Oxygen Evolution Reaction: Holey 2D Nanosheets of Low-Valent Manganese Oxides with an Excellent Oxygen Catalytic Activity and a High Functionality as a Catalyst for Li□2 Batteries (Adv. Funct. Mater. 17/2018). *Advanced Functional Materials*, **2018**, 28, 1870114	15.6	
222	Understanding the crucial role of local crystal order in the electrocatalytic activity of crystalline manganese oxide. *Journal of Materials Chemistry A*, **2018**, 6, 12565-12573	13	12
221	Superior Oxygen Electrocatalysis on RuSex Nanoparticles for Rechargeable Air Cathodes. *Advanced Energy Materials*, **2018**, 8, 1702037	21.8	12

220	Novel Flexible Transparent Conductive Films with Enhanced Chemical and Electromechanical Sustainability: TiO Nanosheet-Ag Nanowire Hybrid. *ACS Applied Materials & Interfaces*, **2018**, 10, 2688-2700	9.5	39
219	Intercalative hybridization of layered double hydroxide nanocrystals with mesoporous g-CN for enhancing visible light-induced H production efficiency. *Dalton Transactions*, **2018**, 47, 2949-2955	4.3	10
218	Ordered Mesoporous C3N5 with a Combined Triazole and Triazine Framework and Its Graphene Hybrids for the Oxygen Reduction Reaction (ORR). *Angewandte Chemie*, **2018**, 130, 17381-17386	3.6	44
217	Ordered Mesoporous C N with a Combined Triazole and Triazine Framework and Its Graphene Hybrids for the Oxygen Reduction Reaction (ORR). *Angewandte Chemie - International Edition*, **2018**, 57, 17135-17140	16.4	92
216	Nanocluster Intercalation: Two-Dimensional Layered Hydroxide Nanoporous Nanohybrids Pillared with Zero-Dimensional Polyoxovanadate Nanoclusters for Enhanced Water Oxidation Catalysis (Small 49/2018). *Small*, **2018**, 14, 1870235	11	
215	Superior role of MXene nanosheet as hybridization matrix over graphene in enhancing interfacial electronic coupling and functionalities of metal oxide. *Nano Energy*, **2018**, 53, 841-848	17.1	27
214	Co-Doping of Magic-Sized CdSe Clusters: Structural Insights via Ligand Field Transitions. *Nano Letters*, **2018**, 18, 7350-7357	11.5	12
213	□MnO2 Nanowire-Anchored Highly Oxidized Cluster as a Catalyst for Li-O2 Batteries: Superior Electrocatalytic Activity and High Functionality. *Angewandte Chemie*, **2018**, 130, 16216-16221	3.6	4
212	□MnO Nanowire-Anchored Highly Oxidized Cluster as a Catalyst for Li-O Batteries: Superior Electrocatalytic Activity and High Functionality. *Angewandte Chemie - International Edition*, **2018**, 57, 15984-15989	16.4	54
211	Two-Dimensional Layered Hydroxide Nanoporous Nanohybrids Pillared with Zero-Dimensional Polyoxovanadate Nanoclusters for Enhanced Water Oxidation Catalysis. *Small*, **2018**, 14, e1703481	11	26
210	Critical Role of the Chemical Environment of Interlayer Na Sites: An Effective Way To Improve the Na Ion Electrode Activity of Layered Titanate. *ACS Applied Materials & Interfaces*, **2018**, 10, 33112-33123	9.5	4
209	A 2D Metal Oxide Nanosheet as an Efficient Additive for Improving Na-Ion Electrode Activity of Graphene-Based Nanocomposites. *Chemistry - A European Journal*, **2017**, 23, 6544-6551	4.8	16
208	A 2D Metal Oxide Nanosheet as an Efficient Additive for Improving Na-Ion Electrode Activity of Graphene-Based Nanocomposites. *Chemistry - A European Journal*, **2017**, 23, 6463-6463	4.8	2
207	Homogeneous cationic substitution for two-dimensional layered metal oxide nanosheets via a galvanic exchange reaction. *Nanoscale*, **2017**, 9, 792-801	7.7	11
206	Kinetically Controlled Layer-by-Layer Stacking of Metal Oxide 2D Nanosheets. *Angewandte Chemie - International Edition*, **2017**, 56, 7093-7096	16.4	19
205	Kinetically Controlled Layer-by-Layer Stacking of Metal Oxide 2D Nanosheets. *Angewandte Chemie*, **2017**, 129, 7199-7202	3.6	7
204	New insight of the photocatalytic behaviors of graphitic carbon nitrides for hydrogen evolution and their associations with grain size, porosity, and photophysical properties. *Applied Catalysis B: Environmental*, **2017**, 218, 349-358	21.8	56
203	A powerful role of exfoliated metal oxide 2D nanosheets as additives for improving electrocatalyst functionality of graphene. *Electrochimica Acta*, **2017**, 235, 720-729	6.7	19

202	Structural and electrical properties of Sr 2 NaNb 4 O 13 thin film grown by electrophoretic method using nanosheets synthesized from K(Sr 2 Na)Nb 4 O 13 compound. *Journal of the European Ceramic Society*, **2017**, 37, 2407-2413	6	4
201	Exfoliated clay nanosheets as an efficient additive for improving the electrode functionality of graphene-based nanocomposites. *Inorganic Chemistry Frontiers*, **2017**, 4, 521-529	6.8	9
200	Improvement of Na Ion Electrode Activity of Metal Oxide via Composite Formation with Metal Sulfide. *ACS Applied Materials & Interfaces*, **2017**, 9, 2249-2260	9.5	10
199	Synthesis of Sr2Nb3O10 nanosheets and their application for growth of thin film using an electrophoretic method. *Journal of the American Ceramic Society*, **2017**, 100, 1098-1107	3.8	8
198	Nano-structure tin/nitrogen-doped reduced graphene oxide composites as high capacity lithium-ion batteries anodes. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 18994-19002	2.1	17
197	Unidirectional growth of single crystalline δ-Na0.33V2O5 and ε-V2O5 nanowires driven by controlling the pH of aqueous solution and their electrochemical performances for Na-ion batteries. *CrystEngComm*, **2017**, 19, 5028-5037	3.3	13
196	A critical role of catalyst morphology in low-temperature synthesis of carbon nanotube-transition metal oxide nanocomposite. *Nanoscale*, **2017**, 9, 12416-12424	7.7	12
195	Enhancement of the Water Adsorptivity of Metal–Organic Frameworks upon Hybridization with Layered Double Hydroxide Nanosheets. *Journal of Physical Chemistry C*, **2017**, 121, 15008-15016	3.8	14
194	Hybridization of a Metal–Organic Framework with a Two-Dimensional Metal Oxide Nanosheet: Optimization of Functionality and Stability. *Chemistry of Materials*, **2017**, 29, 1028-1035	9.6	16
193	Highly Stable Nanocontainer of APTES-Anchored Layered Titanate Nanosheet for Reliable Protection/Recovery of Nucleic Acid. *Scientific Reports*, **2016**, 6, 21993	4.9	15
192	Water-floating nanohybrid films of layered titanate–graphene for sanitization of algae without secondary pollution. *RSC Advances*, **2016**, 6, 98528-98535	3.7	9
191	A vapor-phase carbon-deposition route to efficient inorganic nanosheet-based electrodes. *Materials Letters*, **2016**, 179, 217-221	3.3	5
190	Electrophoretic deposition of Ca2Nb3O10 nanosheets synthesized by soft-chemical exfoliation. *Journal of Materials Chemistry C*, **2016**, 4, 178-184	7.1	13
189	Analysis of benzylpenicillin in milk using MALDI-TOF mass spectrometry with top-down synthesized TiO2 nanowires as the solid matrix. *Chemosphere*, **2016**, 143, 64-70	8.4	25
188	A Conductive Hybridization Matrix of RuO2 Two-Dimensional Nanosheets: A Hybrid-Type Photocatalyst. *Angewandte Chemie*, **2016**, 128, 8688-8692	3.6	8
187	A Conductive Hybridization Matrix of RuO2 Two-Dimensional Nanosheets: A Hybrid-Type Photocatalyst. *Angewandte Chemie - International Edition*, **2016**, 55, 8546-50	16.4	41
186	A chemical bath deposition route to facet-controlled Ag3PO4 thin films with improved visible light photocatalytic activity. *Journal of Solid State Chemistry*, **2016**, 240, 115-121	3.3	17
185	Efficient electrode material of restacked Na–V2O5–graphene nanocomposite for Na-ion batteries. *Materials Letters*, **2016**, 178, 79-82	3.3	12

184	Effective Chemical Route to 2D Nanostructured Silicon Electrode Material: Phase Transition from Exfoliated Clay Nanosheet to Porous Si Nanoplate. *Electrochimica Acta*, **2016**, 204, 60-68	6.7	23
183	Superior Additive of Exfoliated RuO2 Nanosheet for Optimizing the Electrode Performance of Metal Oxide over Graphene. *Journal of Physical Chemistry C*, **2016**, 120, 11786-11796	3.8	36
182	Rapid Synthetic Route to Nanocrystalline Carbon-Mixed Metal Oxide Nanocomposites with Enhanced Electrode Functionality. *Journal of Physical Chemistry C*, **2016**, 120, 8451-8460	3.8	8
181	Unusually Huge Charge Storage Capacity of Mn3O4-Graphene Nanocomposite Achieved by Incorporation of Inorganic Nanosheets. *ACS Applied Materials & Interfaces*, **2016**, 8, 13360-72	9.5	39
180	Exfoliated Metal Oxide Nanosheets as Effective and Applicable Substrates for Atomically Dispersed Metal Nanoparticles with Tailorable Functionalities. *Advanced Materials Interfaces*, **2016**, 3, 1600661	4.6	3
179	Stabilization of Layered Double Oxide in Hybrid Matrix of Graphene and Layered Metal Oxide Nanosheets: An Effective Way To Explore Efficient CO2 Adsorbent. *Journal of Physical Chemistry C*, **2016**, 120, 23421-23429	3.8	18
178	Reductive hybridization route with exfoliated graphene oxide and MoS2 nanosheets to efficient electrode materials. *Electrochimica Acta*, **2015**, 176, 188-196	6.7	14
177	Importance of the tuning of band position in optimizing the electronic coupling and photocatalytic activity of nanocomposite. *Journal of Solid State Chemistry*, **2015**, 230, 175-181	3.3	4
176	The beneficial effect of nanocrystalline and amorphous nature on the anode performance of manganese oxide for lithium ion batteries. *Electrochimica Acta*, **2015**, 174, 391-399	6.7	17
175	Evolution of the chemical bonding nature and electrode activity of indium selenide upon the composite formation with graphene nanosheets. *Electrochimica Acta*, **2015**, 170, 48-56	6.7	4
174	Porous Hybrid Network of Graphene and Metal Oxide Nanosheets as Useful Matrix for Improving the Electrode Performance of Layered Double Hydroxides. *Small*, **2015**, 11, 3921-31	11	37
173	Non-monotonous dependence of the electrical conductivity and chemical stability of a graphene freestanding film on the degree of reduction. *RSC Advances*, **2015**, 5, 19259-19263	3.7	5
172	Route to the Smallest Doped Semiconductor: Mn(2+)-Doped (CdSe)13 Clusters. *Journal of the American Chemical Society*, **2015**, 137, 12776-9	16.4	69
171	Phase Tuning of Nanostructured Gallium Oxide via Hybridization with Reduced Graphene Oxide for Superior Anode Performance in Li-Ion Battery: An Experimental and Theoretical Study. *ACS Applied Materials & Interfaces*, **2015**, 7, 18679-88	9.5	41
170	2D and 3D Hybrid Systems for Enhancement of Chondrogenic Differentiation of Tonsil-Derived Mesenchymal Stem Cells. *Advanced Functional Materials*, **2015**, 25, 2573-2582	15.6	62
169	In Situ Formation of Conductive Metal Sulfide Domain in Metal Oxide Matrix: An Efficient Way to Improve the Electrochemical Activity of Semiconducting Metal Oxide. *Advanced Functional Materials*, **2015**, 25, 4948-4955	15.6	17
168	Efficient Hybrid-Type CO2 Adsorbents of Reassembled Layered Double Hydroxide 2D Nanosheets with Polyoxometalate 0D Nanoclusters. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1198-1202	2.3	25
167	A Crucial Role of Rh Substituent Ion in Photoinduced Internal Electron Transfer and Enhanced Photocatalytic Activity of CdS-Ti(5.2-x)/6 Rhx /2 O2 Nanohybrids. *Small*, **2015**, 11, 5771-80	11	17

166	An Effective Way to Optimize the Functionality of Graphene-Based Nanocomposite: Use of the Colloidal Mixture of Graphene and Inorganic Nanosheets. *Scientific Reports*, **2015**, 5, 11057	4.9	36
165	Microstructural variation and dielectric properties of KTiNbO5 and K3Ti5NbO14 ceramics. *Ceramics International*, **2014**, 40, 5861-5867	5.1	9
164	Strongly-Coupled Freestanding Hybrid Films of Graphene and Layered Titanate Nanosheets: An Effective Way to Tailor the Physicochemical and Antibacterial Properties of Graphene Film. *Advanced Functional Materials*, **2014**, 24, 2288-2294	15.6	85
163	Exploration of Nanostructured Functional Materials Based on Hybridization of Inorganic 2D Nanosheets. *Journal of Physical Chemistry C*, **2014**, 118, 3847-3863	3.8	104
162	Unique Advantages of Exfoliated 2D Nanosheets for Tailoring the Functionalities of Nanocomposites. *Journal of Physical Chemistry Letters*, **2014**, 5, 4149-61	6.4	95
161	A facile exfoliation-crystal growth route to multicomponent Ag□O/Ag-TiNbO□nanohybrids with improved visible light photocatalytic activity. *Dalton Transactions*, **2014**, 43, 10566-73	4.3	22
160	A magnesiothermic route to multicomponent nanocomposites of FeSi2@Si@graphene and FeSi2@Si with promising anode performance. *Electrochimica Acta*, **2014**, 136, 483-492	6.7	23
159	A direct hybridization between isocharged nanosheets of layered metal oxide and graphene through a surface-modification assembly process. *Chemistry - A European Journal*, **2014**, 20, 15459-66	4.8	10
158	A linker-mediated self-assembly method to couple isocharged nanostructures: layered double hydroxide-CdS nanohybrids with high activity for visible-light-induced H2 generation. *Chemistry - A European Journal*, **2014**, 20, 17004-10	4.8	29
157	Unique properties of 2 D layered titanate nanosheets as a building block for the optimization of the photocatalytic activity and photostability of TiO2-based nanohybrids. *Chemistry - A European Journal*, **2014**, 20, 10011-9	4.8	20
156	Composition-tailored 2 D Mn(1-x)Ru(x)O(2) nanosheets and their reassembled nanocomposites: improvement of electrode performance upon Ru substitution. *Chemistry - A European Journal*, **2014** , 20, 5132-40	4.8	24
155	Surface-anchored CdS@Ag 3 PO 4 nanocomposite with efficient visible light photocatalytic activity. *Materials Letters*, **2014**, 114, 152-155	3.3	35
154	Microstructures and Microwave Dielectric Properties of Bi2O3-Deficient Bi12SiO20 Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 2225-2229	3.8	9
153	Role of Alumina Buffer Layer on the Dielectric and Piezoelectric Properties of PZT System Thick Films. *Journal of the American Ceramic Society*, **2013**, 96, 491-495	3.8	
152	Graphene-assisted room-temperature synthesis of 2D nanostructured hybrid electrode materials: dramatic acceleration of the formation rate of 2D metal oxide nanoplates induced by reduced graphene oxide nanosheets. *Chemistry - A European Journal*, **2013**, 19, 7109-17	4.8	19
151	A phase transformation route to Fe2O3/Mn3O4 nanocomposite with improved electrode performance. *Materials Letters*, **2013**, 107, 221-224	3.3	8
150	A Crucial Role of Bond Covalency Competition in Determining the Bandgap and Photocatalytic Performance of Silver Oxosalts. *Journal of Physical Chemistry C*, **2013**, 117, 26509-26516	3.8	11
149	Biological synthesis of free-standing uniformed goethite nanowires by Shewanella sp. HN-41. *Journal of Materials Chemistry A*, **2013**, 1, 1646-1650	13	21

148	A beneficial role of exfoliated layered metal oxide nanosheets in optimizing the electrocatalytic activity and pore structure of Pt-reduced graphene oxide nanocomposites. *Energy and Environmental Science*, **2013**, 6, 608-617	35.4	54
147	Remarkable enhancement of the electrode performance of nanocrystalline LiMn2O4 via solvothermally-assisted immobilization on reduced graphene oxide nanosheets. *Electrochimica Acta* , **2013**, 92, 188-196	6.7	19
146	Sintering behavior and dielectric properties of KCa2Nb3O10 ceramics. *Journal of the European Ceramic Society*, **2013**, 33, 907-911	6	11
145	Synthesis and dielectric properties of HCa2Nb3O10 layered structure ceramics. *Ceramics International*, **2013**, 39, S611-S614	5.1	5
144	A New Type of Efficient CO2 Adsorbent with Improved Thermal Stability: Self-Assembled Nanohybrids with Optimized Microporosity and Gas Adsorption Functions. *Advanced Functional Materials*, **2013**, 23, 4377-4385	15.6	22
143	Self-assembly of layered double hydroxide 2D nanoplates with graphene nanosheets: an effective way to improve the photocatalytic activity of 2D nanostructured materials for visible light-induced O2 generation. *Energy and Environmental Science*, **2013**, 6, 1008	35.4	185
142	Polymer□inorganic supramolecular nanohybrids for red, white, green, and blue applications. *Progress in Polymer Science*, **2013**, 38, 1442-1486	29.6	94
141	Sintering Mechanism and Microwave Dielectric Properties of Bi12TiO20 Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 3742-3746	3.8	12
140	Highly efficient visible light-induced O□generation by self-assembled nanohybrids of inorganic nanosheets and polyoxometalate nanoclusters. *Scientific Reports*, **2013**, 3, 2080	4.9	64
139	Improved electrochromic performances of NiO based thin films by lithium addition: From single layers to devices. *Electrochimica Acta*, **2012**, 74, 46-52	6.7	87
138	Electrochemically active nanocomposites of Li4Ti5O12 2D nanosheets and SnO2 0D nanocrystals with improved electrode performance. *Electrochimica Acta*, **2012**, 74, 59-64	6.7	19
137	Effect of Bi2O3 Doping on the Sintering Temperature and Microwave Dielectric Properties of LiAlSiO4 Ceramics. *Journal of the American Ceramic Society*, **2012**, 95, 1811-1813	3.8	14
136	Mixed colloidal suspensions of reduced graphene oxide and layered metal oxide nanosheets: useful precursors for the porous nanocomposites and hybrid films of graphene/metal oxide. *Chemistry - A European Journal*, **2012**, 18, 2263-71	4.8	53
135	Synthesis and electrochemical characterization of 2D nanostructured Li4Ti5O12 with lithium electrode functionality. *Journal of Physics and Chemistry of Solids*, **2012**, 73, 1444-1447	3.9	13
134	A layer-by-layer assembly route to [Mn1/3Co1/3Ni1/3]O2 hollow spheres with electrochemical activity. *Journal of Physics and Chemistry of Solids*, **2012**, 73, 1492-1495	3.9	2
133	Heterolayered Li+□MnO2□[Mn1/3Co1/3Ni1/3]O2 Nanocomposites with Improved Electrode Functionality: Effects of Heat Treatment and Layer Doping on the Electrode Performance of Reassembled Lithium Manganate. *Journal of Physical Chemistry C*, **2012**, 116, 3311-3319	3.8	18
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