

# Mykola Seredych

## List of Publications by Year in descending order

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122  
papers

8,644  
citations

38660

50  
h-index

45213

90  
g-index

123  
all docs

123  
docs citations

123  
times ranked

10052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Effect of Nitrogen and Oxygen-Containing Functional Groups of Microporous Activated Carbon on its Electrochemical Performance in Supercapacitors. <i>Advanced Functional Materials</i> , 2009, 19, 438-447.	7.8	1,475
2	Surface functional groups of carbons and the effects of their chemical character, density and accessibility to ions on electrochemical performance. <i>Carbon</i> , 2008, 46, 1475-1488.	5.4	774
3	High-Temperature Behavior and Surface Chemistry of Carbide MXenes Studied by Thermal Analysis. <i>Chemistry of Materials</i> , 2019, 31, 3324-3332.	3.2	296
4	Revisiting the chemistry of graphite oxides and its effect on ammonia adsorption. <i>Journal of Materials Chemistry</i> , 2009, 19, 9176.	6.7	235
5	MXene Sorbents for Removal of Urea from Dialysate: A Step toward the Wearable Artificial Kidney. <i>ACS Nano</i> , 2018, 12, 10518-10528.	7.3	174
6	Mechanism of Ammonia Retention on Graphite Oxides: Role of Surface Chemistry and Structure. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15596-15604.	1.5	162
7	Textural and chemical factors affecting adsorption capacity of activated carbon in highly efficient desulfurization of diesel fuel. <i>Carbon</i> , 2009, 47, 2491-2500.	5.4	160
8	Metal-free Nanoporous Carbon as a Catalyst for Electrochemical Reduction of CO <sub>2</sub> to CO and CH <sub>4</sub> . <i>ChemSusChem</i> , 2016, 9, 606-616.	3.6	149
9	S-doped micro/mesoporous carbon-graphene composites as efficient supercapacitors in alkaline media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11717.	5.2	144
10	Effect of surface phosphorus functionalities of activated carbons containing oxygen and nitrogen on electrochemical capacitance. <i>Carbon</i> , 2009, 47, 1576-1584.	5.4	126
11	Role of graphite precursor in the performance of graphite oxides as ammonia adsorbents. <i>Carbon</i> , 2009, 47, 445-456.	5.4	111
12	Removal of dorzolamide from biomedical wastewaters with adsorption onto graphite oxide/poly(acrylic acid) grafted chitosan nanocomposite. <i>Bioresource Technology</i> , 2014, 152, 399-406.	4.8	110
13	Complexity of CO <sub>2</sub> adsorption on nanoporous sulfur-doped carbons – Is surface chemistry an important factor?. <i>Carbon</i> , 2014, 74, 207-217.	5.4	109
14	Removal of antibiotics from water using sewage sludge- and waste oil sludge-derived adsorbents. <i>Water Research</i> , 2012, 46, 4081-4090.	5.3	101
15	Enhanced Reactive Adsorption of Hydrogen Sulfide on the Composites of Graphene/Graphite Oxide with Copper (Hydr)oxychlorides. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3316-3324.	4.0	94
16	Superior Performance of Copper Based MOF and Aminated Graphite Oxide Composites as CO <sub>2</sub> Adsorbents at Room Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 4951-4959.	4.0	93
17	Pyridinic-N groups and ultramicropore nanoreactors enhance CO <sub>2</sub> electrochemical reduction on porous carbon catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 195-206.	10.8	91
18	Graphite Oxides Obtained from Porous Graphite: The Role of Surface Chemistry and Texture in Ammonia Retention at Ambient Conditions. <i>Advanced Functional Materials</i> , 2010, 20, 1670-1679.	7.8	88

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19	Effects of Surface Features on Adsorption of SO <sub>2</sub> on Graphite Oxide/Zr(OH) <sub>4</sub> Composites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14552-14560.	1.5	87
20	Activated carbon-based gas sensors: effects of surface features on the sensing mechanism. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3821-3831.	5.2	87
21	Reactive adsorption of hydrogen sulfide on graphite oxide/Zr(OH) <sub>4</sub> composites. <i>Chemical Engineering Journal</i> , 2011, 166, 1032-1038.	6.6	86
22	Photoactivity of S-doped nanoporous activated carbons: A new perspective for harvesting solar energy on carbon-based semiconductors. <i>Applied Catalysis A: General</i> , 2012, 445-446, 159-165.	2.2	85
23	Removal of ammonia by graphite oxide via its intercalation and reactive adsorption. <i>Carbon</i> , 2007, 45, 2130-2132.	5.4	82
24	Adsorption of Dibenzothiophenes on Nanoporous Carbons: Identification of Specific Adsorption Sites Governing Capacity and Selectivity. <i>Energy &amp; Fuels</i> , 2010, 24, 3352-3360.	2.5	82
25	Evidence for CO <sub>2</sub> reactive adsorption on nanoporous S- and N-doped carbon at ambient conditions. <i>Carbon</i> , 2016, 96, 856-863.	5.4	79
26	New copper/GO based material as an efficient oxygen reduction catalyst in an alkaline medium: The role of unique Cu/rGO architecture. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 424-435.	10.8	77
27	Visible-Light-Enhanced Interactions of Hydrogen Sulfide with Composites of Zinc (Oxy)hydroxide with Graphite Oxide and Graphene. <i>Langmuir</i> , 2012, 28, 1337-1346.	1.6	76
28	Role of acid mixtures etching on the surface chemistry and sodium ion storage in Ti <sub>3</sub> C <sub>2</sub> MXene. <i>Chemical Communications</i> , 2020, 56, 6090-6093.	2.2	76
29	Interactions of 4,6-Dimethyldibenzothiophene with the Surface of Activated Carbons. <i>Langmuir</i> , 2009, 25, 9302-9312.	1.6	74
30	Insight into the mechanism of CO <sub>2</sub> adsorption on Cu <sup>II</sup> /BTC and its composites with graphite oxide or aminated graphite oxide. <i>Chemical Engineering Journal</i> , 2014, 239, 399-407.	6.6	71
31	Adsorption of Uremic Toxins Using Ti <sub>3</sub> C <sub>2</sub> MXene for Dialysate Regeneration. <i>ACS Nano</i> , 2020, 14, 11787-11798.	7.3	71
32	Changes in graphite oxide texture and chemistry upon oxidation and reduction and their effect on adsorption of ammonia. <i>Carbon</i> , 2011, 49, 4392-4402.	5.4	70
33	Desulfurization of air at high and low H <sub>2</sub> S concentrations. <i>Chemical Engineering Journal</i> , 2009, 155, 594-602.	6.6	68
34	Electrochemical Reduction of Oxygen on Hydrophobic Ultramicroporous PolyHIPE Carbon. <i>ACS Catalysis</i> , 2016, 6, 5618-5628.	5.5	67
35	Template-Derived Mesoporous Carbons with Highly Dispersed Transition Metals as Media for the Reactive Adsorption of Dibenzothiophene. <i>Langmuir</i> , 2007, 23, 6033-6041.	1.6	64
36	Role of microporosity and surface chemistry in adsorption of 4,6-dimethyldibenzothiophene on polymer-derived activated carbons. <i>Fuel</i> , 2010, 89, 1499-1507.	3.4	61

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37	Investigation of the enhancing effects of sulfur and/or oxygen functional groups of nanoporous carbons on adsorption of dibenzothiophenes. <i>Carbon</i> , 2011, 49, 1216-1224.	5.4	60
38	Manganese oxide and graphite oxide/MnO <sub>2</sub> composites as reactive adsorbents of ammonia at ambient conditions. <i>Microporous and Mesoporous Materials</i> , 2012, 150, 55-63.	2.2	60
39	Active pore space utilization in nanoporous carbon-based supercapacitors: Effects of conductivity and pore accessibility. <i>Journal of Power Sources</i> , 2012, 220, 243-252.	4.0	59
40	Aminated graphite oxides and their composites with copper-based metal-organic framework: in search for efficient media for CO <sub>2</sub> sequestration. <i>RSC Advances</i> , 2013, 3, 9932.	1.7	59
41	Adsorption of dibenzothiophenes on activated carbons with copper and iron deposited on their surfaces. <i>Fuel Processing Technology</i> , 2010, 91, 693-701.	3.7	58
42	Effect of confined space reduction of graphite oxide followed by sulfur doping on oxygen reduction reaction in neutral electrolyte. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7059.	5.2	56
43	Photoactivity of g-C <sub>3</sub> N <sub>4</sub> /S-Doped Porous Carbon Composite: Synergistic Effect of Composite Formation. <i>ChemSusChem</i> , 2016, 9, 795-799.	3.6	55
44	Removal of Cationic and Ionic Dyes on Industrial/Municipal Sludge Based Composite Adsorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 1786-1793.	1.8	54
45	Role of phosphorus in carbon matrix in desulfurization of diesel fuel using adsorption process. <i>Fuel</i> , 2012, 92, 318-326.	3.4	54
46	Insight into the Capacitive Performance of Sulfur-Doped Nanoporous Carbons Modified by Addition of Graphene Phase. <i>Electroanalysis</i> , 2014, 26, 109-120.	1.5	54
47	Confined space reduced graphite oxide doped with sulfur as metal-free oxygen reduction catalyst. <i>Carbon</i> , 2014, 66, 227-233.	5.4	54
48	Removal of copper on composite sewage sludge/industrial sludge-based adsorbents: The role of surface chemistry. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 379-388.	5.0	53
49	Role of Graphite Oxide (GO) and Polyaniline (PANI) in NO <sub>2</sub> Reduction on GO-PANI Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 6925-6935.	1.8	53
50	Enhancement in Dibenzothiophene Reactive Adsorption from Liquid Fuel via Incorporation of Sulfur Heteroatoms into the Nanoporous Carbon Matrix. <i>ChemSusChem</i> , 2011, 4, 139-147.	3.6	53
51	Evaluation of CO <sub>2</sub> interactions with S-doped nanoporous carbon and its composites with a reduced GO: Effect of surface features on an apparent physical adsorption mechanism. <i>Carbon</i> , 2016, 98, 250-258.	5.4	51
52	Zinc (hydr)oxide/graphite based-phase composites: effect of the carbonaceous phase on surface properties and enhancement in electrical conductivity. <i>Journal of Materials Chemistry</i> , 2012, 22, 7970.	6.7	50
53	Sulfur-Doped Carbon Aerogel as a Metal-Free Oxygen Reduction Catalyst. <i>ChemCatChem</i> , 2015, 7, 2924-2931.	1.8	50
54	S-doped carbon aerogels/GO composites as oxygen reduction catalysts. <i>Journal of Energy Chemistry</i> , 2016, 25, 236-245.	7.1	50

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55	Role of Microporosity and Nitrogen Functionality on the Surface of Activated Carbon in the Process of Desulfurization of Digester Gas. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4704-4711.	1.5	48
56	Nitrogen-Doped Activated Carbon-Based Ammonia Sensors: Effect of Specific Surface Functional Groups on Carbon Electronic Properties. <i>ACS Sensors</i> , 2016, 1, 591-599.	4.0	48
57	Visible light driven photoelectrochemical water splitting on metal free nanoporous carbon promoted by chromophoric functional groups. <i>Carbon</i> , 2014, 79, 432-441.	5.4	47
58	Sewage sludge as a single precursor for development of composite adsorbents/catalysts. <i>Chemical Engineering Journal</i> , 2007, 128, 59-67.	6.6	46
59	Enhancement of $Ti_{3}C_{2}$ MXene Pseudocapacitance after Urea Intercalation Studied by Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5079-5086.	1.5	46
60	Specific anion and cation capacitance in porous carbon blacks. <i>Carbon</i> , 2010, 48, 1767-1778.	5.4	45
61	Cobalt (hydr)oxide/graphite oxide composites: Importance of surface chemical heterogeneity for reactive adsorption of hydrogen sulfide. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 1-9.	5.0	45
62	Surface features of exfoliated graphite/bentonite composites and their importance for ammonia adsorption. <i>Carbon</i> , 2008, 46, 1241-1252.	5.4	44
63	Combined Role of Water and Surface Chemistry in Reactive Adsorption of Ammonia on Graphite Oxides. <i>Langmuir</i> , 2010, 26, 5491-5498.	1.6	44
64	Adsorption of ammonia on graphite oxide/aluminium polycation and graphite oxide/zirconium-aluminium polyoxycation composites. <i>Journal of Colloid and Interface Science</i> , 2008, 324, 25-35.	5.0	43
65	Effect of fly ash addition on the removal of hydrogen sulfide from biogas and air on sewage sludge-based composite adsorbents. <i>Waste Management</i> , 2008, 28, 1983-1992.	3.7	43
66	Reactive adsorption of hydrogen sulfide on visible light photoactive zinc (hydr)oxide/graphite oxide and zinc (hydr)oxychloride/graphite oxide composites. <i>Applied Catalysis B: Environmental</i> , 2013, 132-133, 321-331.	10.8	43
67	Mesoporous Graphitic Carbon Nitride-Based Nanospheres as Visible-Light Active Chemical Warfare Agents Decontaminant. <i>ChemNanoMat</i> , 2016, 2, 268-272.	1.5	42
68	Effect of nanoporous carbon surface chemistry on the removal of endocrine disruptors from water phase. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 180-191.	5.0	40
69	Insight into ammonia sensing on heterogeneous S- and N- co-doped nanoporous carbons. <i>Carbon</i> , 2016, 96, 1014-1021.	5.4	40
70	Municipal waste conversion to hydrogen sulfide adsorbents: Investigation of the synergistic effects of sewage sludge/fish waste mixture. <i>Chemical Engineering Journal</i> , 2014, 237, 88-94.	6.6	39
71	Desulfurization of Digester Gas on Catalytic Carbonaceous Adsorbents: A Complexity of Interactions between the Surface and Components of the Gaseous Mixture. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 3658-3665.	1.8	38
72	Selective Adsorption of Dibenzothiophenes on Activated Carbons with Ag, Co, and Ni Species Deposited on Their Surfaces. <i>Energy &amp; Fuels</i> , 2009, 23, 3737-3744.	2.5	38

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73	Effect of the Incorporation of Nitrogen to a Carbon Matrix on the Selectivity and Capacity for Adsorption of Dibenzothiophenes from Model Diesel Fuel. <i>Langmuir</i> , 2010, 26, 227-233.	1.6	38
74	Evaluation of GO/MnO <sub>2</sub> composites as supercapacitors in neutral electrolytes: role of graphite oxide oxidation level. <i>Journal of Materials Chemistry</i> , 2012, 22, 23525.	6.7	37
75	Effect of visible light and electrode wetting on the capacitive performance of S- and N-doped nanoporous carbons: Importance of surface chemistry. <i>Carbon</i> , 2014, 78, 540-558.	5.4	37
76	Desulfurization of Digester Gas on Wood-Based Activated Carbons Modified with Nitrogen: Importance of Surface Chemistry. <i>Energy &amp; Fuels</i> , 2008, 22, 850-859.	2.5	36
77	Adsorption of hydrogen sulfide on graphite derived materials modified by incorporation of nitrogen. <i>Materials Chemistry and Physics</i> , 2009, 113, 946-952.	2.0	36
78	Charge Storage Accessibility Factor as a Parameter Determining the Capacitive Performance of Nanoporous Carbon-Based Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1024-1032.	3.2	36
79	New Cu <sub>x</sub> S <sub>y</sub> /nanoporous carbon composites as efficient oxygen reduction catalysts in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20164-20176.	5.2	34
80	Alterations of S-doped porous carbon-rGO composites surface features upon CO <sub>2</sub> adsorption at ambient conditions. <i>Carbon</i> , 2016, 107, 501-509.	5.4	33
81	Adsorption of Bovine Serum Albumin on Carbon-Based Materials. <i>Journal of Carbon Research</i> , 2018, 4, 3.	1.4	32
82	Interactions of NO <sub>2</sub> and NO with Carbonaceous Adsorbents Containing Silver Nanoparticles. <i>Langmuir</i> , 2010, 26, 9457-9464.	1.6	29
83	Investigation of the Thermal Regeneration Efficiency of Activated Carbons Used in the Desulfurization of Model Diesel Fuel. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 14097-14104.	1.8	29
84	Comparison of melamine resin and melamine network as precursors for carbon electrodes. <i>Carbon</i> , 2015, 81, 239-250.	5.4	29
85	Visible light photoactivity of sulfur and phosphorus doped nanoporous carbons in oxidation of dibenzothiophenes. <i>Fuel</i> , 2013, 108, 846-849.	3.4	28
86	Nitrogen enrichment of S-doped nanoporous carbon by g-C <sub>3</sub> N <sub>4</sub> : Insight into photosensitivity enhancement. <i>Carbon</i> , 2016, 107, 895-906.	5.4	28
87	Graphite oxide/AlZr polycation composites: Surface characterization and performance as adsorbents of ammonia. <i>Materials Chemistry and Physics</i> , 2009, 117, 99-106.	2.0	27
88	Nitrogen modified carbide-derived carbons as adsorbents of hydrogen sulfide. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 60-66.	5.0	27
89	Enhanced adsorption of hydrogen sulfide on mixed zinc/cobalt hydroxides: Effect of morphology and an increased number of surface hydroxyl groups. <i>Journal of Colloid and Interface Science</i> , 2013, 405, 218-225.	5.0	27
90	Analysis of factors affecting visible and UV enhanced oxidation of dibenzothiophenes on sulfur-doped activated carbons. <i>Carbon</i> , 2013, 62, 356-364.	5.4	25

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91	Photoluminescence of nanoporous carbons: Opening a new application route for old materials. Carbon, 2014, 77, 651-659.	5.4	25
92	Effects of the addition of graphite oxide to the precursor of a nanoporous carbon on the electrochemical performance of the resulting carbonaceous composites. Carbon, 2012, 50, 4144-4154.	5.4	24
93	Effect of Visible Light Exposure and Electrolyte Oxygen Content on the Capacitance of Sulfur-Doped Carbon. ChemElectroChem, 2014, 1, 565-572.	1.7	24
94	Silica-Polyamine-Based Carbon Composite Adsorbents as Media for Effective Hydrogen Sulfide Adsorption/Oxidation. Chemistry of Materials, 2007, 19, 2500-2511.	3.2	23
95	Interactions of NO <sub>2</sub> with Zinc (Hydr)oxide/Graphene Phase Composites: Visible Light Enhanced Surface Reactivity. Journal of Physical Chemistry C, 2012, 116, 2527-2535.	1.5	23
96	Controllable atomistic graphene oxide model and its application in hydrogen sulfide removal. Journal of Chemical Physics, 2013, 139, 194707.	1.2	23
97	Effect of the graphene phase presence in nanoporous S-doped carbon on photoactivity in UV and visible light. Applied Catalysis B: Environmental, 2014, 147, 842-850.	10.8	23
98	Graphene-Based Materials for the Fast Removal of Cytokines from Blood Plasma. ACS Applied Bio Materials, 2018, 1, 436-443.	2.3	22
99	Tobacco Waste/Industrial Sludge Based Desulfurization Adsorbents: Effect of Phase Interactions during Pyrolysis on Surface Activity. Environmental Science & Technology, 2007, 41, 3715-3721.	4.6	21
100	Effects of surface chemistry on the reactive adsorption of hydrogen cyanide on activated carbons. Carbon, 2009, 47, 2456-2465.	5.4	20
101	Analysis of the chemical and physical factors affecting reactive adsorption of ammonia on graphene/nanoporous carbon composites. Carbon, 2013, 55, 176-184.	5.4	20
102	Sulfur-mediated photochemical energy harvesting in nanoporous carbons. Carbon, 2016, 104, 253-259.	5.4	20
103	Moisture insensitive adsorption of ammonia on resorcinol-formaldehyde resins. Journal of Hazardous Materials, 2016, 305, 96-104.	6.5	18
104	Structural and optical characterization of Zn(OH) <sub>2</sub> and its composites with graphite oxides. Optics Letters, 2013, 38, 962.	1.7	17
105	Delamination of MXenes using bovine serum albumin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128580.	2.3	15
106	Desulfurization of Digester Gas on Industrial-Sludge-Derived Adsorbents. Energy & Fuels, 2007, 21, 858-866.	2.5	14
107	Surface properties of porous carbons obtained from polystyrene-based polymers within inorganic templates: role of polymer chemistry and inorganic template pore structure. Microporous and Mesoporous Materials, 2007, 100, 45-54.	2.2	14
108	Adsorption of ammonia on graphite oxide/Al <sub>13</sub> composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 353, 30-36.	2.3	13

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109	Oxygen reduction on chemically heterogeneous iron-containing nanoporous carbon: The effects of specific surface functionalities. <i>Microporous and Mesoporous Materials</i> , 2016, 221, 137-149.	2.2	13
110	Interactions of Arsine with Nanoporous Carbons: Role of Heteroatoms in the Oxidation Process at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6527-6533.	1.5	12
111	Involvement of water and visible light in the enhancement in SO <sub>2</sub> adsorption at ambient conditions on the surface of zinc (hydr)oxide/graphite oxide composites. <i>Chemical Engineering Journal</i> , 2013, 223, 442-453.	6.6	12
112	On the photoactivity of S-doped nanoporous carbons: Importance of surface chemistry and porosity. <i>Chinese Journal of Catalysis</i> , 2014, 35, 807-814.	6.9	10
113	Peculiar Properties of Mesoporous Synthetic Carbon/Graphene Phase Composites and their Effect on Supercapacitive Performance. <i>ChemSusChem</i> , 2015, 8, 1955-1965.	3.6	10
114	Removal of dibenzothiophenes from model diesel fuel on sulfur rich activated carbons. <i>Applied Catalysis B: Environmental</i> , 2011, , .	10.8	9
115	Band gap energies of solar micro/meso-porous composites of zinc (hydr)oxide with graphite oxides. <i>Journal of Applied Physics</i> , 2013, 114, 043522.	1.1	9
116	Carbon phase-graphite oxide composites based on solid state interactions between the components: Importance of surface chemistry and microstructure. <i>Carbon</i> , 2015, 95, 580-588.	5.4	8
117	Preparation of synthetic carbon adsorbents and investigation on porous structure of obtained adsorbents with I <sub>2</sub> s method. <i>Materials Chemistry and Physics</i> , 2003, 82, 165-172.	2.0	7
118	Time-resolved photoluminescence of Zn(OH) <sub>2</sub> and its composites with graphite oxides. <i>Optics Letters</i> , 2013, 38, 2227.	1.7	5
119	Hybrid solar cells of micro/mesoporous Zn(OH) <sub>2</sub> and its graphite composites sensitized by CdSe quantum dots. <i>Journal of Photonics for Energy</i> , 2014, 4, 043098.	0.8	3
120	Optical properties of porous nano-composites of zinc (hydr)oxide with graphite oxide. , 2013, , .		1
121	Time-resolved fluorescence and ultrafast energy transfer in a zinc (hydr)oxide-graphite oxide mesoporous composite. <i>Journal of Photonics for Energy</i> , 2015, 5, 053084.	0.8	1
122	The effects of fabrication temperature on current-voltage characteristics and energy efficiencies of quantum dot sensitized ZnOH-GO hybrid solar cells. <i>Journal of Applied Physics</i> , 2014, 116, 173102.	1.1	0