

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2017/095365

A. CLASSIFICATION OF SUBJECT MATTER

H01G 11/30 (2013.01) i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01G, H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI, CNTXT, CNABS, CNKI, WOTXT, EPTXT: thioacetamide, sodium molybdate, ammonium molybdate, molybdate?, chemical deposition, substrate, carbon source, etch, polymethylmethacrylate, graphene, GF, GN, three dimension+, "3D", MoS2, molybdenum disulfide, hydrothermal, anneal+, CVD, porous, foam, PMMA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN 103682368 A (THE INSTITUTE OF METAL RESEARCH, CHINESE ACADEMY OF SCIENCES), 26 March 2014 (26.03.2014), description, paragraphs [0006]-[0025] and [0042]-[0043]	1-10
Y	CN 105591088 A (UNIVERSITY OF SCIENCE & TECHNOLOGY BEIJING), 18 May 2016 (18.05.2016), description, paragraphs [0006]-[0011]	1-10
Y	CN 105618085 A (XI'AN JIAOTONG UNIVERSITY), 01 June 2016 (01.06.2016), description, paragraphs [0007]-[0020]	1-10
Y	US 2015/0280217 A1 (WILLIAM MARSH RICE UNIVERSITY), 01 October 2015 (01.10.2015), description, paragraphs [0035]-[0069]	1-10
Y	WANG Jin et al., "Self-Assembly of Honeycomb-Like MoS2 Nanoarchitectures Anchored into Graphene Foam for Enhanced Lithium-Ion Storage", ADVANCED MATERILAS, volume 26, 24 September 2014 (24.09.2014), ISSN: 1521-4095, page 7163	1-10
A	CN 104835964 A (HARBIN INSTITUTE OF TECHNOLOGY), 12 August 2015 (12.08.2015), the whole text of the description	1-10

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search
22 August 2017 (22.08.2017)

Date of mailing of the international search report
13 September 2017 (13.09.2017)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 104600315 A (SHANGHAI UNIVERSITY), 06 May 2015 (06.05.2015), the whole text of the description	1-10

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2017/095365

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 103682368 A	26 March 2014	CN 103682368 B	17 August 2016
CN 105591088 A	18 May 2016	None	
CN 105618085 A	01 June 2016	None	
US 2015/0280217 A1	01 October 2015	None	
CN 104835964 A	12 August 2015	CN 104835964 B	01 March 2017
CN 104600315 A	06 May 2015	None	