

## ESI 材料科学学科高被引论文 TOP20 (2018-9)

序号	高被引论文	被引频次
1	<p>标题: MATERIALS FOR ELECTROCHEMICAL CAPACITORS</p> <p>作者: SIMON, P;GOGOTSI, Y</p> <p>来源: NAT MATER 7 (11): 845-854 NOV 2008</p>	<b>7,670</b>
2	<p>标题: PROCESSABLE AQUEOUS DISPERSIONS OF GRAPHENE NANOSHEETS</p> <p>作者: LI, D;MULLER, MB;GILJE, S;et.al</p> <p>来源: NAT NANOTECHNOL 3 (2): 101-105 FEB 2008</p>	<b>5,469</b>
3	<p>标题: SINGLE-LAYER MOS2 TRANSISTORS</p> <p>作者: RADISAVLJEVIC, B;RADENOVIC, A;BRIVIO, J;et.al</p> <p>来源: NAT NANOTECHNOL 6 (3): 147-150 MAR 2011</p>	<b>5,422</b>
4	<p>标题: ELECTRONICS AND OPTOELECTRONICS OF TWO-DIMENSIONAL TRANSITION METAL DICHALCOGENIDES</p> <p>作者: WANG, QH;KALANTAR-ZADEH, K;KIS, A;et.al</p> <p>来源: NAT NANOTECHNOL 7 (11): 699-712 NOV 2012</p>	<b>4,790</b>

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5	<p>标题: PLASMONICS FOR IMPROVED PHOTOVOLTAIC DEVICES</p> <p>作者: ATWATER, HA;POLMAN, A</p> <p>来源: NAT MATER 9 (3): 205-213 MAR 2010</p>	4,158
6	<p>标题: ROLL-TO-ROLL PRODUCTION OF 30-INCH GRAPHENE FILMS FOR TRANSPARENT ELECTRODES</p> <p>作者: BAE, S;KIM, H;LEE, Y;et.al</p> <p>来源: NAT NANOTECHNOL 5 (8): 574-578 AUG 2010</p>	4,129
7	<p>标题: GRAPHENE AND GRAPHENE OXIDE: SYNTHESIS, PROPERTIES, AND APPLICATIONS</p> <p>作者: ZHU, YW;MURALI, S;CAI, WW;et.al</p> <p>来源: ADVAN MATER 22 (35): 3906-3924 SEP 15 2010</p>	3,950
8	<p>标题: COMPLEX THERMOELECTRIC MATERIALS</p> <p>作者: SNYDER, GJ;TOBERER, ES</p> <p>来源: NAT MATER 7 (2): 105-114 FEB 2008</p>	3,887

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9	<p>标题: CHEMICAL METHODS FOR THE PRODUCTION OF GRAPHENES</p> <p>作者: PARK, S;RUOFF, RS</p> <p>来源: NAT NANOTECHNOL 4 (4): 217-224 APR 2009</p>	3,877
10	<p>标题: BIOSENSING WITH PLASMONIC NANOSENSORS</p> <p>作者: ANKER, JN;HALL, WP;LYANDRES, O;et.al</p> <p>来源: NAT MATER 7 (6): 442-453 JUN 2008</p>	3,560
11	<p>标题: A METAL-FREE POLYMERIC PHOTOCATALYST FOR HYDROGEN PRODUCTION FROM WATER UNDER VISIBLE LIGHT</p> <p>作者: WANG, XC;MAEDA, K;THOMAS, A;et.al</p> <p>来源: NAT MATER 8 (1): 76-80 JAN 2009</p>	3,541
12	<p>标题: HIGH-PERFORMANCE LITHIUM BATTERY ANODES USING SILICON NANOWIRES</p> <p>作者: CHAN, CK;PENG, HL;LIU, G;et.al</p> <p>来源: NAT NANOTECHNOL 3 (1): 31-35 JAN 2008</p>	3,408
13	<p>标题: LI-O-2 AND LI-S BATTERIES WITH HIGH ENERGY STORAGE</p> <p>作者: BRUCE, PG;FREUNBERGER, SA;HARDWICK, LJ;et.al</p> <p>来源: NAT MATER 11 (1): 19-29 JAN 2012</p>	3,370

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14	<p>标题: CHALLENGES FOR RECHARGEABLE LI BATTERIES</p> <p>作者: GOODENOUGH, JB;KIM, Y</p> <p>来源: CHEM MATER 22 (3): 587-603 FEB 9 2010</p>	3,341
15	<p>标题: UNDERSTANDING BIOPHYSICOCHEMICAL INTERACTIONS AT THE NANO-BIO INTERFACE</p> <p>作者: NEL, AE;MADLER, L;VELEGOL, D;et.al</p> <p>来源: NAT MATER 8 (7): 543-557 JUL 2009</p>	2,877
16	<p>标题: HIGH-YIELD PRODUCTION OF GRAPHENE BY LIQUID-PHASE EXFOLIATION OF GRAPHITE</p> <p>作者: HERNANDEZ, Y;NICOLOSI, V;LOTYA, M;et.al</p> <p>来源: NAT NANOTECHNOL 3 (9): 563-568 SEP 2008</p>	2,792
17	<p>标题: FOR THE BRIGHT FUTURE-BULK HETEROJUNCTION POLYMER SOLAR CELLS WITH POWER CONVERSION EFFICIENCY OF 7.4%</p> <p>作者: LIANG, YY;XU, Z;XIA, JB;et.al</p> <p>来源: ADVAN MATER 22 (20): E135-+ MAY 25 2010</p>	2,715

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18	<p>标题: CO<sub>3</sub>O<sub>4</sub> NANOCRYSTALS ON GRAPHENE AS A SYNERGISTIC CATALYST FOR OXYGEN REDUCTION REACTION</p> <p>作者: LIANG, YY;LI, YG;WANG, HL;et.al</p> <p>来源: NAT MATER 10 (10): 780-786 OCT 2011</p>	2,684
19	<p>标题: BORON NITRIDE SUBSTRATES FOR HIGH-QUALITY GRAPHENE ELECTRONICS</p> <p>作者: DEAN, CR;YOUNG, AF;MERIC, I;et.al</p> <p>来源: NAT NANOTECHNOL 5 (10): 722-726 OCT 2010</p>	2,599
20	<p>标题: LARGE-AREA ULTRATHIN FILMS OF REDUCED GRAPHENE OXIDE AS A TRANSPARENT AND FLEXIBLE ELECTRONIC MATERIAL</p> <p>作者: EDA, G;FANCHINI, G;CHHOWALLA, M</p> <p>来源: NAT NANOTECHNOL 3 (5): 270-274 MAY 2008</p>	2,595