

## ESI 材料科学学科高被引论文 TOP20 (2018-3)

序号	高被引论文	被引频次
1	<p>标题: THE RISE OF GRAPHENE</p> <p>作者: GEIM, AK; NOVOSELOV, KS</p> <p>来源: NAT MATER 6 (3): 183-191 MAR 2007</p>	<b>18,624</b>
2	<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>6,990</b>
3	<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>5,189</b>
4	<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>4,814</b>

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5	<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>	4,093
6	<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>	3,876
7	<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>	3,860
8	<p>标题: DETECTION OF INDIVIDUAL GAS MOLECULES ADSORBED ON GRAPHENE</p> <p>作者: SCHEDIN, F; GEIM, AK; MOROZOV, SV; et.al</p> <p>来源: NAT MATER 6 (9): 652-655 SEP 2007</p>	3,791

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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>	3,695
10	<p>标题: NANOCARRIERS AS AN EMERGING PLATFORM FOR CANCER THERAPY</p> <p>作者: PEER, D; KARP, JM; HONG, S; et.al</p> <p>来源: NAT NANOTECHNOL 2 (12): 751-760 DEC 2007</p>	3,542
11	<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>	3,534
12	<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>	3,524
13	<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>	3,306

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14	<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>	3,220
15	<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>	3,046
16	<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>	3,025
17	<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>	2,985

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18	<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>	2,662
19	<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; TSAI, ST;WU, Y;LI, G;RAY, C;YU, LP</p> <p>来源: ADVAN MATER 22 (20): E135-+ MAY 25 2010</p>	2,640
20	<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>	2,603