

ESI 材料科学学科热点论文 TOP20 (2018-5)

序号	热点论文	被引频次
1	<p>标题: FULLERENE-FREE POLYMER SOLAR CELLS WITH OVER 11% EFFICIENCY AND EXCELLENT THERMAL STABILITY</p> <p>作者: ZHAO, WC; QIAN, DP; ZHANG, SQ; et.al</p> <p>来源: ADVAN MATER 28 (23): 4734-4739 JUN 15 2016</p>	497
2	<p>标题: ENERGY-LEVEL MODULATION OF SMALL-MOLECULE ELECTRON ACCEPTORS TO ACHIEVE OVER 12% EFFICIENCY IN POLYMER SOLAR CELLS</p> <p>作者: LI, SS;YE, L;ZHAO, WC;ZHANG, SQ; et.al</p> <p>来源: ADVAN MATER 28 (42): 9423-+ NOV 9 2016</p>	361
3	<p>标题: ANALYSIS OF NANOPARTICLE DELIVERY TO TUMOURS</p> <p>作者: WILHELM, S;TAVARES, AJ;DAI, Q;OHTA, S;AUDET, J;DVORAK, HF;CHAN, WCW</p> <p>来源: NAT REV MATER 1 (5): - MAY 2016</p>	290

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4	<p>标题: ALL-POLYMER SOLAR CELLS BASED ON ABSORPTION-COMPLEMENTARY POLYMER DONOR AND ACCEPTOR WITH HIGH POWER CONVERSION EFFICIENCY OF 8.27%</p> <p>作者: GAO, L; ZHANG, ZG; XUE, LW; et.al</p> <p>来源: ADVAN MATER 28 (9): 1884-1890 MAR 2 2016</p>	253
5	<p>标题: CSPBX3 QUANTUM DOTS FOR LIGHTING AND DISPLAYS: ROOM-TEMPERATURE SYNTHESIS, PHOTOLUMINESCENCE SUPERIORITIES, UNDERLYING ORIGINS AND WHITE LIGHT-EMITTING DIODES</p> <p>作者: LI, XM; WU, Y; ZHANG, SL; et.al</p> <p>来源: ADV FUNCT MATER 26 (15): 2435-2445 APR 19 2016</p>	238
6	<p>标题: CATALYSIS WITH TWO-DIMENSIONAL MATERIALS AND THEIR HETEROSTRUCTURES</p> <p>作者: DENG, DH; NOVOSELOV, KS; FU, Q; et.al</p> <p>来源: NAT NANOTECHNOL 11 (3): 218-230 MAR 2016</p>	229

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7	<p>标题: PROMISE AND REALITY OF POST-LITHIUM-ION BATTERIES WITH HIGH ENERGY DENSITIES</p> <p>作者: CHOI, JW; AURBACH, D</p> <p>来源: NAT REV MATER 1 (4): - APR 2016</p>	218
8	<p>标题: 2D TRANSITION-METAL-DICHALCOGENIDE-NANOSHEET-BASED COMPOSITES FOR PHOTOCATALYTIC AND ELECTROCATALYTIC HYDROGEN EVOLUTION REACTIONS</p> <p>作者: LU, QP; YU, YF; MA, QL; et.al</p> <p>来源: ADVAN MATER 28 (10): 1917-1933 MAR 9 2016</p>	202
9	<p>标题: HIGH-EFFICIENCY AND AIR-STABLE P3HT-BASED POLYMER SOLAR CELLS WITH A NEW NON-FULLERENE ACCEPTOR</p> <p>作者: HOLLIDAY, S; ASHRAF, RS; WADSWORTH, A; et.al</p> <p>来源: NAT COMMUN 7: - JUN 2016</p>	191
10	<p>标题: BIOMIMETIC 4D PRINTING</p> <p>作者: GLADMAN, AS; MATSUMOTO, EA; NUZZO, RG; et.al</p> <p>来源: NAT MATER 15 (4): 413-+ APR 2016</p>	177

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11	<p>标题: ANTIFERROMAGNETIC SPINTRONICS</p> <p>作者: JUNGWIRTH, T; MARTI, X; WADLEY, P; et.al</p> <p>来源: NAT NANOTECHNOL 11 (3): 231-241 MAR 2016</p>	168
12	<p>标题: STRETCHABLE, SKIN-MOUNTABLE, AND WEARABLE STRAIN SENSORS AND THEIR POTENTIAL APPLICATIONS: A REVIEW</p> <p>作者: AMJADI, M; KYUNG, KU; PARK, I; et.al</p> <p>来源: ADV FUNCT MATER 26 (11): 1678-1698 MAR 15 2016</p>	164
13	<p>标题: METAL OXIDES FOR OPTOELECTRONIC APPLICATIONS</p> <p>作者: YU, XG; MARKS, TJ; FACCHETTI, A</p> <p>来源: NAT MATER 15 (4): 383-396 APR 2016</p>	154
14	<p>标题: PEROVSKITE ENERGY FUNNELS FOR EFFICIENT LIGHT-EMITTING DIODES</p> <p>作者: YUAN, MJ; QUAN, LN; COMIN, R; et.al</p> <p>来源: NAT NANOTECHNOL 11 (10): 872-+ OCT 2016</p>	154

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15	<p>标题: FLEXIBLE AND STRETCHABLE PHYSICAL SENSOR INTEGRATED PLATFORMS FOR WEARABLE HUMAN-ACTIVITY MONITORING AND PERSONAL HEALTHCARE</p> <p>作者: TRUNG, TQ; LEE, NE</p> <p>来源: ADVAN MATER 28 (22): 4338-4372 SP. ISS. SI JUN 8 2016</p>	152
16	<p>标题: A GRAPHENE-BASED ELECTROCHEMICAL DEVICE WITH THERMORESPONSIVE MICRONEEDLES FOR DIABETES MONITORING AND THERAPY</p> <p>作者: LEE, H; CHOI, TK; LEE, YB; et.al</p> <p>来源: NAT NANOTECHNOL 11 (6): 566-+ JUN 2016</p>	151
17	<p>标题: HIERARCHICAL NICO2S4 NANOWIRE ARRAYS SUPPORTED ON NI FOAM: AN EFFICIENT AND DURABLE BIFUNCTIONAL ELECTROCATALYST FOR OXYGEN AND HYDROGEN EVOLUTION REACTIONS</p> <p>作者: SIVANANTHAM, A; GANESAN, P; SHANMUGAM, S</p> <p>来源: ADV FUNCT MATER 26 (26): 4661-4672 JUL 12 2016</p>	151

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18	<p>标题: HYDROGELS WITH TUNABLE STRESS RELAXATION REGULATE STEM CELL FATE AND ACTIVITY</p> <p>作者: CHAUDHURI, O; GU, L; KLUMPERS, D; et.al</p> <p>来源: NAT MATER 15 (3): 326-+ MAR 2016</p>	150
19	<p>标题: LAYERED REDUCED GRAPHENE OXIDE WITH NANOSCALE INTERLAYER GAPS AS A STABLE HOST FOR LITHIUM METAL ANODES</p> <p>作者: LIN, DC; LIU, YY; LIANG, Z; et.al</p> <p>来源: NAT NANOTECHNOL 11 (7): 626-+ JUL 2016</p>	147
20	<p>标题: PEROVSKITE MATERIALS FOR LIGHT-EMITTING DIODES AND LASERS</p> <p>作者: VELDHUIS, SA; BOIX, PP; YANTARA, N; et.al</p> <p>来源: ADVAN MATER 28 (32): 6804-6834 AUG 24 2016</p>	147