

## ESI 材料科学学科热点论文 TOP20 (2018-7)

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>	551
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; et.al</p> <p>来源: ADVAN MATER 28 (42): 9423-+ NOV 9 2016</p>	414
3	<p>标题: ANALYSIS OF NANOPARTICLE DELIVERY TO TUMOURS</p> <p>作者: WILHELM, S; TAVARES, AJ; DAI, Q; et.al</p> <p>来源: NAT REV MATER 1 (5): - MAY 2016</p>	332

序号	热点论文	被引频次
4	<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>	222
5	<p>标题: OBSERVATION OF ROOM-TEMPERATURE MAGNETIC SKYRMIONS AND THEIR CURRENT-DRIVEN DYNAMICS IN ULTRATHIN METALLIC FERROMAGNETS</p> <p>作者: WOO, S; LITZIUS, K; KRUGER, B; et.al</p> <p>来源: NAT MATER 15 (5): 501-+ MAY 2016</p>	220
6	<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>	191

序号	热点论文	被引频次
7	<p>标题: HIERARCHICAL NiO<sub>2</sub>S<sub>4</sub> 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>	186
8	<p>标题: METASTABLE HIGH-ENTROPY DUAL-PHASE ALLOYS OVERCOME THE STRENGTH-DUCTILITY TRADE-OFF</p> <p>作者: LI, ZM; PRADEEP, KG; DENG, Y; et.al</p> <p>来源: NATURE 534 (7606): 227-+ JUN 9 2016</p>	185
9	<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>	180

序号	热点论文	被引频次
10	<p><b>标题:</b> ADDITIVE INTERFACIAL CHIRAL INTERACTION IN MULTILAYERS FOR STABILIZATION OF SMALL INDIVIDUAL SKYRMIONS AT ROOM TEMPERATURE</p> <p><b>作者:</b> MOREAU-LUCHAIRE, C; MOUTAFIS, C; REYREN, N; et.al</p> <p><b>来源:</b> NAT NANOTECHNOL 11 (5): 444-+ MAY 2016</p>	177
11	<p><b>标题:</b> ELECTROMAGNETIC INTERFERENCE SHIELDING WITH 2D TRANSITION METAL CARBIDES (MXENES)</p> <p><b>作者:</b> SHAHZAD, F; ALHABEB, M; HATTER, CB; et.al</p> <p><b>来源:</b> SCIENCE 353 (6304): 1137-1140 SEP 9 2016</p>	175
12	<p><b>标题:</b> PEROVSKITE MATERIALS FOR LIGHT-EMITTING DIODES AND LASERS</p> <p><b>作者:</b> VELDHUIS, SA; BOIX, PP; YANTARA, N; et.al</p> <p><b>来源:</b> ADVAN MATER 28 (32): 6804-6834 AUG 24 2016</p>	174
13	<p><b>标题:</b> LAYERED REDUCED GRAPHENE OXIDE WITH NANOSCALE INTERLAYER GAPS AS A STABLE HOST FOR LITHIUM METAL ANODES</p> <p><b>作者:</b> LIN, DC; LIU, YY; LIANG, Z; et.al</p> <p><b>来源:</b> NAT NANOTECHNOL 11 (7): 626-+ JUL 2016</p>	172

序号	热点论文	被引频次
14	<p>标题: SCALABLE WATER SPLITTING ON PARTICULATE PHOTOCATALYST SHEETS WITH A SOLAR-TO-HYDROGEN ENERGY CONVERSION EFFICIENCY EXCEEDING 1%</p> <p>作者: WANG, Q; HISATOMI, T; JIA, QX; et.al</p> <p>来源: NAT MATER 15 (6): 611-+ JUN 2016</p>	170
15	<p>标题: EFFICIENT AND STABLE BIFUNCTIONAL ELECTROCATALYSTS NI/NIXMY (M = P, S) FOR OVERALL WATER SPLITTING</p> <p>作者: CHEN, GF; MA, TY; LIU, ZQ; et.al</p> <p>来源: ADV FUNCT MATER 26 (19): 3314-3323 MAY 17 2016</p>	168
16	<p>标题: A CRITICAL REVIEW OF HIGH ENTROPY ALLOYS AND RELATED CONCEPTS</p> <p>作者: MIRACLE, DB; SENKOV, ON</p> <p>来源: ACTA MATER 122: 448-511 JAN 1 2017</p>	167
17	<p>标题: FLEXIBLE NANOGENERATORS FOR ENERGY HARVESTING AND SELF-POWERED ELECTRONICS</p> <p>作者: FAN, FR; TANG, W; WANG, ZL</p> <p>来源: ADVAN MATER 28 (22): 4283-4305 SP. ISS. SI JUN 8 2016</p>	166

序号	热点论文	被引频次
18	<p>标题: SINGLE-JUNCTION BINARY-BLEND NONFULLERENE POLYMER SOLAR CELLS WITH 12.1% EFFICIENCY</p> <p>作者: ZHAO, FW; DAI, SX; WU, YQ; et.al</p> <p>来源: ADVAN MATER 29 (18): - MAY 10 2017</p>	163
19	<p>标题: A REVIEW ON G-C3N4-BASED PHOTOCATALYSTS</p> <p>作者: WEN, JQ; XIE, J; CHEN, XB; et.al</p> <p>来源: APPL SURF SCI 391: 72-123 PART B SP. ISS. SI JAN 1 2017</p>	163
20	<p>标题: REDUCING THE EFFICIENCY-STABILITY-COST GAP OF ORGANIC PHOTOVOLTAICS WITH HIGHLY EFFICIENT AND STABLE SMALL MOLECULE ACCEPTOR TERNARY SOLAR CELLS</p> <p>作者: BARAN, D; ASHRAF, RS; HANIFI, DA; et.al</p> <p>来源: NAT MATER 16 (3): 363-+ MAR 2017</p>	154