ESI 材料科学学科热点论文 TOP20(2018-3)

序号	热点论文	被引频次
1	**标题：**FULLERENE-FREE POLYMER SOLAR CELLS WITH OVER 11% EFFICIENCY AND EXCELLENT THERMAL STABILITY **作者：**ZHAO, WC; QIAN, DP; ZHANG, SQ; et.al **来源：**ADVAN MATER 28 (23): 4734-4739 JUN 15 2016	**444**
2	**标题：**IMPROVED AIR STABILITY OF PEROVSKITE SOLAR CELLS VIA SOLUTION-PROCESSED METAL OXIDE TRANSPORT LAYERS **作者：**YOU, JB; MENG, L; SONG, TB; et.al **来源：**NAT NANOTECHNOL 11 (1): 75-+ JAN 2016	**391**
3	**标题：**RECENT PROGRESS IN COBALT-BASED HETEROGENEOUS CATALYSTS FOR ELECTROCHEMICAL WATER SPLITTING **作者：**WANG, JH; CUI, W; LIU, Q; et.al **来源：**ADVAN MATER 28 (2): 215-230 JAN 13 2016	**312**
4	**标题：**ENERGY-LEVEL MODULATION OF SMALL-MOLECULE ELECTRON ACCEPTORS TO ACHIEVE OVER 12% EFFICIENCY IN POLYMER SOLAR CELLS **作者：**LI, SS;YE, L;ZHAO, WC;ZHANG, SQ; et.al **来源：**ADVAN MATER 28 (42): 9423-+ NOV 9 2016	**300**
5	**标题：**ANALYSIS OF NANOPARTICLE DELIVERY TO TUMOURS **作者：**WILHELM, S;TAVARES, AJ;DAI, Q;OHTA, S;AUDET, J;DVORAK, HF;CHAN, WCW **来源：**NAT REV MATER 1 (5): - MAY 2016	**246**
6	**标题：**ACTIVATING AND OPTIMIZING MOS2 BASAL PLANES FOR HYDROGEN EVOLUTION THROUGH THE FORMATION OF STRAINED SULPHUR VACANCIES **作者：**LI, H; TSAI, C; KOH, AL; et.al **来源：**NAT MATER 15 (1): 48-+ JAN 2016	**245**

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7	**标题：**ALL-POLYMER SOLAR CELLS BASED ON ABSORPTION-COMPLEMENTARY POLYMER DONOR AND ACCEPTOR WITH HIGH POWER CONVERSION EFFICIENCY OF 8.27% **作者：**GAO, L; ZHANG, ZG; XUE, LW; et.al **来源：**ADVAN MATER 28 (9): 1884-1890 MAR 2 2016	**223**
8	**标题：**ALL-DIELECTRIC METAMATERIALS **作者：**JAHANI, S;JACOB, Z **来源：**NAT NANOTECHNOL 11 (1): 23-36 JAN 2016	**209**
9	**标题：**HYBRID ORGANIC-INORGANIC PEROVSKITES: LOW-COST SEMICONDUCTORS WITH INTRIGUING CHARGE-TRANSPORT PROPERTIES **作者：**BRENNER, TM;EGGER, DA;KRONIK, L; et.al **来源：**NAT REV MATER 1 (1): - JAN 2016	**208**
10	**标题：**CSPBX3 QUANTUM DOTS FOR LIGHTING AND DISPLAYS:ROOM-TEMPERATURE SYNTHESIS,PHOTOLUMINESCENCE SUPERIORITIES,UNDERLYING ORIGINS AND WHITE LIGHT-EMITTING DIODES **作者：**LI, XM;WU, Y;ZHANG, SL;CAI, B;et.al **来源：**ADV FUNCT MATER 26 (15): 2435-2445 APR 19 2016	**202**
11	**标题：**SUPRAMOLECULAR BIOMATERIALS **作者：**WEBBER, MJ;APPEL, EA;MEIJER, EW;LANGER, R **来源：**NAT MATER 15 (1): 13-26 JAN 2016	**198**
12	**标题：**CATALYSIS WITH TWO-DIMENSIONAL MATERIALS AND THEIR HETEROSTRUCTURES **作者：**DENG, DH;NOVOSELOV, KS;FU, Q;ZHENG, NF;TIAN, ZQ;BAO, XH **来源：**NAT NANOTECHNOL 11 (3): 218-230 MAR 2016	**193**
13	**标题：**THE SURFACE SCIENCE OF NANOCRYSTALS **作者：**BOLES, MA;LING, D;HYEON, T;TALAPIN, DV **来源：**NAT MATER 15 (2): 141-153 FEB 2016	**179**

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14	**标题：**PROMISE AND REALITY OF POST-LITHIUM-ION BATTERIES WITH HIGH ENERGY DENSITIES **作者：**CHOI, JW;AURBACH, D **来源：**NAT REV MATER 1 (4): - APR 2016	**176**
15	**标题：**2D TRANSITION-METAL-DICHALCOGENIDE-NANOSHEET-BASED COMPOSITES FOR PHOTOCATALYTIC AND ELECTROCATALYTIC HYDROGEN EVOLUTION REACTIONS **作者：**LU, QP;YU, YF;MA, QL;CHEN, B;ZHANG, H **来源：**ADVAN MATER 28 (10): 1917-1933 MAR 9 2016	**173**
16	**标题：**OBSERVATION OF ROOM-TEMPERATURE MAGNETIC SKYRMIONS AND THEIR CURRENT-DRIVEN DYNAMICS IN ULTRATHIN METALLIC FERROMAGNETS **作者：**WOO, S;LITZIUS, K;KRUGER, B; et.al **来源：**NAT MATER 15 (5): 501-+ MAY 2016	**171**
17	**标题：**HIGH-EFFICIENCY AND AIR-STABLE P3HT-BASED POLYMER SOLAR CELLS WITH A NEW NON-FULLERENE ACCEPTOR **作者：**HOLLIDAY, S;ASHRAF, RS;WADSWORTH, A; et.al **来源：**NAT COMMUN 7: - JUN 2016	**164**
18	**标题：**ANTIFERROMAGNETIC SPINTRONICS **作者：**JUNGWIRTH, T;MARTI, X;WADLEY, P;WUNDERLICH, J **来源：**NAT NANOTECHNOL 11 (3): 231-241 MAR 2016	**147**
19	**标题：**PROTEIN ADSORPTION IS REQUIRED FOR STEALTH EFFECT OF POLY (ETHYLENE GLYCOL)- AND POLY(PHOSPHOESTER)-COATED NANOCARRIERS **作者：**SCHOTTLER, S;BECKER, G;WINZEN, S;et.al **来源：** NAT NANOTECHNOL 11 (4): 372-377 APR 2016	**147**
20	**标题：**PEROVSKITE ENERGY FUNNELS FOR EFFICIENT LIGHT-EMITTING DIODES **作者：**W UAN, MJ;QUAN, LN;COMIN, R;WALTERS, G; et.al **来源：**NAT NANOTECHNOL 11 (10): 872-+ OCT 2016	**139**