

## ESI 材料科学学科热点论文 TOP20 (2018-1)

序号	热点论文	被引频次
1	<p>标题: EFFICIENT AND STABLE LARGE-AREA PEROVSKITE SOLAR CELLS WITH INORGANIC CHARGE EXTRACTION LAYERS</p> <p>作者: CHEN, W; WU, YZ; YUE, YF; et.al</p> <p>来源: SCIENCE 350 (6263): 944-948 NOV 20 2015</p>	456
2	<p>标题: FIRST PRINCIPLES PHONON CALCULATIONS IN MATERIALS SCIENCE</p> <p>作者: TOGO, A; TANAKA, I</p> <p>来源: SCRIPTA MATER 108: 1-5 NOV 2015</p>	410
3	<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>	385

4	<p>标题: IMPROVED AIR STABILITY OF PEROVSKITE SOLAR CELLS VIA SOLUTION-PROCESSED METAL OXIDE TRANSPORT LAYERS</p> <p>作者: YOU, JB; MENG, L; SONG, TB; et.al</p> <p>来源: NAT NANOTECHNOL 11 (1): 75-+ JAN 2016</p>	348
5	<p>标题: OVERCOMING THE ELECTROLUMINESCENCE EFFICIENCY LIMITATIONS OF PEROVSKITE LIGHT-EMITTING DIODES</p> <p>作者: CHO, HC; JEONG, SH; PARK, MH; et.al</p> <p>来源: SCIENCE 350 (6265): 1222-1225 DEC 4 2015</p>	315
6	<p>标题: QUANTUM DOT LIGHT-EMITTING DIODES BASED ON INORGANIC PEROVSKITE CESIUM LEAD HALIDES (CSPBX3)</p> <p>作者: SONG, JZ; LI, JH; LI, XM; et.al</p> <p>来源: ADVAN MATER 27 (44): 7162-+ NOV 25 2015</p>	300
7	<p>标题: RECENT PROGRESS IN COBALT-BASED HETEROGENEOUS CATALYSTS FOR ELECTROCHEMICAL WATER SPLITTING</p> <p>作者: WANG, JH; CUI, W; LIU, Q; et.al</p> <p>来源: ADVAN MATER 28 (2): 215-230 JAN 13 2016</p>	261

8	<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>	245
9	<p>标题: A PHOSPHORENE-GRAPHENE HYBRID MATERIAL AS A HIGH-CAPACITY ANODE FOR SODIUM-ION BATTERIES</p> <p>作者: SUN, J; LEE, HW; PASTA, M; et.al</p> <p>来源: NAT NANOTECHNOL 10 (11): 980-U184 NOV 2015</p>	233
10	<p>标题: ACTIVATING AND OPTIMIZING MOS2 BASAL PLANES FOR HYDROGEN EVOLUTION THROUGH THE FORMATION OF STRAINED SULPHUR VACANCIES</p> <p>作者: LI, H; TSAI, C; KOH, AL; et.al</p> <p>来源: NAT MATER 15 (1): 48-+ JAN 2016</p>	209
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