

ESI 材料科学学科热点论文 TOP20 (2018-9)

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1	<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>	453
2	<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>	227
3	<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>	216
4	<p>标题: ELECTROMAGNETIC INTERFERENCE SHIELDING WITH 2D TRANSITION METAL CARBIDES (MXENES)</p> <p>作者: SHAHZAD, F;ALHABEB, M;HATTER, CB;et.al</p> <p>来源: SCIENCE 353 (6304): 1137-1140 SEP 9 2016</p>	214

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5	<p>标题: HIERARCHICAL NiO₂S₄ 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>	212
6	<p>标题: 2D METAL CARBIDES AND NITRIDES (MXENES) FOR ENERGY STORAGE</p> <p>作者: ANASORI, B;LUKATSKAYA, MR;GOGOTSI, Y</p> <p>来源: NAT REV MATER 2 (2): - FEB 2017</p>	208
7	<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>	205
8	<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>	203

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9	<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>	192
10	<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>	190
11	<p>标题: EMERGING MULTIFUNCTIONAL METAL-ORGANIC FRAMEWORK MATERIALS</p> <p>作者: LI, B;WEN, HM;CUI, YJ;et.al</p> <p>来源: ADVAN MATER 28 (40): 8819-8860 OCT 26 2016</p>	190
12	<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>	183

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14	<p>标题: REVIVING THE LITHIUM METAL ANODE FOR HIGH-ENERGY BATTERIES</p> <p>作者: LIN, DC;LIU, YY;CUI, Y</p> <p>来源: NAT NANOTECHNOL 12 (3): 194-206 MAR 2017</p>	182
15	<p>标题: PURSUING PROSTHETIC ELECTRONIC SKIN</p> <p>作者: CHORTOS, A;LIU, J;BAO, ZA</p> <p>来源: NAT MATER 15 (9): 937-950 SEP 2016</p>	180
16	<p>标题: HETEROJUNCTION PHOTOCATALYSTS</p> <p>作者: LOW, JX;YU, JG;JARONIEC, M;et.al</p> <p>来源: ADVAN MATER 29 (20): - SP. ISS. SI MAY 24 2017</p>	167

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17	<p>标题: TRANSITION-METAL (CO, NI, AND FE)-BASED ELECTROCATALYSTS FOR THE WATER OXIDATION REACTION</p> <p>作者: HAN, L;DONG, SJ;WANG, EK</p> <p>来源: ADVAN MATER 28 (42): 9266-9291 NOV 9 2016</p>	167
18	<p>标题: MIXED-DIMENSIONAL VAN DER WAALS HETEROSTRUCTURES</p> <p>作者: JARIWALA, D;MARKS, TJ;HERSAM, MC</p> <p>来源: NAT MATER 16 (2): 170-181 FEB 2017</p>	166
19	<p>标题: RECENT PROGRESS IN ELECTRODE MATERIALS FOR SODIUM-ION BATTERIES</p> <p>作者: KIM, H;KIM, H;DING, Z;et.al</p> <p>来源: ADV ENERGY MATER 6 (19): - OCT 12 2016</p>	162
20	<p>标题: PROGRESS IN DISCOVERY AND STRUCTURAL DESIGN OF COLOR CONVERSION PHOSPHORS FOR LEDS</p> <p>作者: XIA, ZG;LIU, QL</p> <p>来源: PROG MATER SCI 84: 59-117 DEC 2016</p>	162