

ESI 材料科学学科热点论文 TOP20 (2018-11)

序号	热点论文	被引频次
1	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; et.al 来源: ADVAN MATER28 (42): 9423-+ NOV 9 2016	520
2	标题: 2D METAL CARBIDES AND NITRIDES (MXENES) FOR ENERGY STORAGE 作者: ANASORI, B; LUKATSKAYA, MR; GOGOTSI, Y 来源: NAT REV MATER2 (2): - FEB 2017	271
3	标题: PEROVSKITE ENERGY FUNNELS FOR EFFICIENT LIGHT-EMITTING DIODES 作者: YUAN, MJ; QUAN, LN; COMIN, R; et.al 来源: NAT NANOTECHNOL11 (10): 872-+ OCT 2016	265
4	标题: ELECTROMAGNETIC INTERFERENCE SHIELDING WITH 2D TRANSITION METAL CARBIDES (MXENES) 作者: SHAHZAD, F; ALHABEB, M; HATTER, CB; et.al 来源: SCIENCE353 (6304): 1137-1140 SEP 9 2016	258

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5	标题: A CRITICAL REVIEW OF HIGH ENTROPY ALLOYS AND RELATED CONCEPTS 作者: MIRACLE, DB; SENKOV, ON 来源: ACTA MATER122: 448-511 JAN 1 2017	256
6	标题: REVIVING THE LITHIUM METAL ANODE FOR HIGH-ENERGY BATTERIES 作者: LIN, DC; LIU, YY; CUI, Y 来源: NAT NANOTECHNOL12 (3): 194-206 MAR 2017	246
7	标题: SINGLE-JUNCTION BINARY-BLEND NONFULLERENE POLYMER SOLAR CELLS WITH 12.1% EFFICIENCY 作者: ZHAO, FW; DAI, SX; WU, YQ; et.al 来源: ADVAN MATER29 (18): - MAY 10 2017	226
8	标题: A REVIEW ON G-C3N4-BASED PHOTOCATALYSTS 作者: WEN, JQ; XIE, J; CHEN, XB; et.al 来源: APPL SURF SCI391: 72-123 PART B SP. ISS. SI JAN 1 2017	224

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9	标题: THE PATH TOWARDS SUSTAINABLE ENERGY 作者: CHU, S; CUI, Y; LIU, N 来源: NAT MATER16 (1): 16-22 JAN 2017	220
10	标题: PURSUING PROSTHETIC ELECTRONIC SKIN 作者: CHORTOS, A; LIU, J; BAO, ZA 来源: NAT MATER15 (9): 937-950 SEP 2016	215
11	标题: EMERGING MULTIFUNCTIONAL METAL-ORGANIC FRAMEWORK MATERIALS 作者: LI, B; WEN, HM; CUI, YJ; et.al 来源: ADVAN MATER28 (40): 8819-8860 OCT 26 2016	215
12	标题: REDUCING THE EFFCIENCY-STABILITY-COST GAP OF ORGANIC PHOTOVOLTAICS WITH HIGHLY EFFCIENT AND STABLE SMALL MOLECULE ACCEPTOR TERNARY SOLAR CELLS 作者: BARAN, D; ASHRAF, RS; HANIFI, DA; et.al 来源: NAT MATER16 (3): 363-+ MAR 2017	215

序号	热点论文	被引频次
13	标题: TRANSITION-METAL (CO, NI, AND FE)-BASED ELECTROCATALYSTS FOR THE WATER OXIDATION REACTION 作者: HAN, L; DONG, SJ; WANG, EK 来源: ADVAN MATER28 (42): 9266-9291 NOV 9 2016	208
14	标题: MIXED-DIMENSIONAL VAN DER WAALS HETEROSTRUCTURES 作者: JARIWALA, D; MARKS, TJ; HERSAM, MC 来源: NAT MATER16 (2): 170-181 FEB 2017	200
15	标题: HETEROJUNCTION PHOTOCATALYSTS 作者: LOW, JX; YU, JG; JARONIEC, M; et.al 来源: ADVAN MATER29 (20): - SP. ISS. SI MAY 24 2017	198
16	标题: RECENT PROGRESS IN ELECTRODE MATERIALS FOR SODIUM-ION BATTERIES 作者: KIM, H; KIM, H; DING, Z; et.al 来源: ADV ENERGY MATER6 (19): - OCT 12 2016	179

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17	标题: BIORESPONSIVE MATERIALS 作者: LU, Y; AIMETTI, AA; LANGER, R; et.al 来源: NAT REV MATER2 (1): - JAN 2017	179
18	标题: PROGRESS IN DISCOVERY AND STRUCTURAL DESIGN OF COLOR CONVERSION PHOSPHORS FOR LEDS 作者: XIA, ZG; LIU, QL 来源: PROG MATER SCI84: 59-117 DEC 2016	177
19	标题: IMPROVING EFFICIENCY AND STABILITY OF PEROVSKITE SOLAR CELLS WITH PHOTOCURABLE FLUOROPOLYMERS 作者: BELLA, F; GRIFFINI, G; CORREA-BAENA, JP; et.al 来源: SCIENCE354 (6309): 203-206 OCT 14 2016	172
20	标题: FE-DOPED COP NANOARRAY: A MONOLITHIC MULTIFUNCTIONAL CATALYST FOR HIGHLY EFFICIENT HYDROGEN GENERATION 作者: TANG, C; ZHANG, R; LU, WB; et.al 来源: ADVAN MATER29 (2): - JAN 11 2017	159