

ESI 材料科学学科高被引论文 TOP20 (2019-1)

序号	高被引论文	被引频次
1	标题: MATERIALS FOR ELECTROCHEMICAL CAPACITORS 作者: SIMON, P; GOGOTSI, Y 来源: NAT MATER7 (11): 845-854 NOV 2008	8,099
2	标题: LARGE-AREA SYNTHESIS OF HIGH-QUALITY AND UNIFORM GRAPHENE FILMS ON COPPER FOILS 作者: LI, XS; CAI, WW; AN, JH; et.al 来源: SCIENCE 324 (5932): 1312-1314 JUN 5 2009	6,008
3	标题: SINGLE-LAYER MOS2 TRANSISTORS 作者: RADISAVLJEVIC, B; RADENOVIC, A; BRIVIO, J; et.al 来源: NAT NANOTECHNOL 6 (3): 147-150 MAR 2011	5,848
4	标题: SUPERIOR THERMAL CONDUCTIVITY OF SINGLE-LAYER GRAPHENE 作者: BALANDIN, AA; GHOSH, S; BAO, WZ; et.al 来源: NANO LETT 8 (3): 902-907 MAR 2008	5,737

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5	标题: PROCESSABLE AQUEOUS DISPERSIONS OF GRAPHENE NANOSHEETS 作者: LI, D; MULLER, MB; GILJE, S; et.al 来源: NAT NANOTECHNOL 3 (2): 101-105 FEB 2008	5,665
6	标题: ELECTRONICS AND OPTOELECTRONICS OF TWO-DIMENSIONAL TRANSITION METAL DICHALCOGENIDES 作者: WANG, QH; KALANTAR-ZADEH, K; KIS, A; et.al 来源: NAT NANOTECHNOL 7 (11): 699-712 NOV 2012	5,315
7	标题: GRAPHENE-BASED ULTRACAPACITORS 作者: STOLLER, MD; PARK, SJ; ZHU, YW; et.al 来源: NANO LETT 8 (10): 3498-3502 OCT 2008	4,635
8	标题: PLASMONICS FOR IMPROVED PHOTOVOLTAIC DEVICES 作者: ATWATER, HA; POLMAN, A 来源: NAT MATER 9 (3): 205-213 MAR 2010	4,344

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9	标题: ROLL-TO-ROLL PRODUCTION OF 30-INCH GRAPHENE FILMS FOR TRANSPARENT ELECTRODES 作者: BAE, S; KIM, H; LEE, Y; et.al 来源: NAT NANOTECHNOL 5 (8): 574-578 AUG 2010	4,289
10	标题: IMPROVED SYNTHESIS OF GRAPHENE OXIDE 作者: MARCANO, DC; KOSYNKIN, DV; BERLIN, JM; et.al 来源: ACS NANO 4 (8): 4806-4814 AUG 2010	4,234
11	标题: GRAPHENE AND GRAPHENE OXIDE: SYNTHESIS, PROPERTIES, AND APPLICATIONS 作者: ZHU, YW; MURALI, S; CAI, WW; et.al 来源: ADVAN MATER 22 (35): 3906-3924 SEP 15 2010	4,201
12	标题: COMPLEX THERMOELECTRIC MATERIALS 作者: SNYDER, GJ; TOBERER, ES 来源: NAT MATER 7 (2): 105-114 FEB 2008	4,083

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13	标题: CHEMICAL METHODS FOR THE PRODUCTION OF GRAPHENES 作者: PARK, S; RUOFF, RS 来源: NAT NANOTECHNOL 4 (4): 217-224 APR 2009	3,988
14	标题: A METAL-FREE POLYMERIC PHOTOCATALYST FOR HYDROGEN PRODUCTION FROM WATER UNDER VISIBLE LIGHT 作者: WANG, XC; MAEDA, K; THOMAS, A; et.al 来源: NAT MATER 8 (1): 76-80 JAN 2009	3,885
15	标题: BIOSENSING WITH PLASMONIC NANOSENSORS 作者: ANKER, JN; HALL, WP; LYANDRES, O; et.al 来源: NAT MATER 7 (6): 442-453 JUN 2008	3,729
16	标题: LI-O-2 AND LI-S BATTERIES WITH HIGH ENERGY STORAGE 作者: BRUCE, PG; FREUNBERGER, SA; HARDWICK, LJ; et.al 来源: NAT MATER 11 (1): 19-29 JAN 2012	3,663

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17	标题: CHALLENGES FOR RECHARGEABLE LI BATTERIES 作者: GOODENOUGH, JB; KIM, Y 来源: CHEM MATER 22 (3): 587-603 FEB 9 2010	3,568
18	标题: HIGH-PERFORMANCE LITHIUM BATTERY ANODES USING SILICON NANOWIRES 作者: CHAN, CK; PENG, HL; LIU, G; et.al 来源: NAT NANOTECHNOL 3 (1): 31-35 JAN 2008	3,554
19	标题: EMERGING PHOTOLUMINESCENCE IN MONOLAYER MOS2 作者: SPLENDIANI, A; SUN, L; ZHANG, YB; et.al 来源: NANO LETT 10 (4): 1271-1275 APR 2010	3,463
20	标题: LARGE AREA, FEW-LAYER GRAPHENE FILMS ON ARBITRARY SUBSTRATES BY CHEMICAL VAPOR DEPOSITION 作者: REINA, A; JIA, XT; HO, J; et.al 来源: NANO LETT 9 (1): 30-35 JAN 2009	3,292