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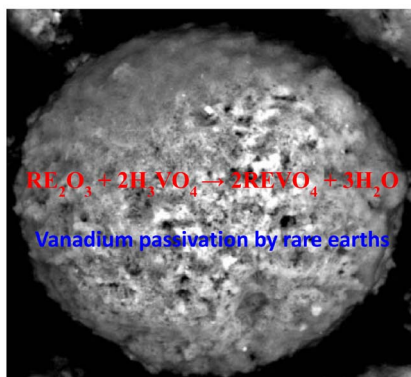
- Geochemical characteristics of REY-rich pelagic sediments from the GC02 in central Indian Ocean BasinZHANG Xiaoyu, TAO Chunhui, SHI Xuefa, LI Huaiming, HUANG MU, HUANG Dasong 1047

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Aaron Akah



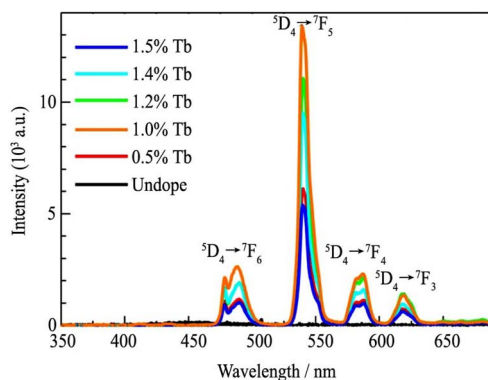
The reaction of rare earth (RE) oxide with vanadic acid to form rare earth vanadate in FCC catalysts

J. Rare Earths, (35) 2017: 941-956

SPECTROSCOPY, LUMINESCENCE AND PHOSPHORS

- 957 Photoluminescence, scintillation and thermally-stimulated luminescence properties of Tb-doped $12\text{CaO} \cdot 7\text{Al}_2\text{O}_3$ single crystals grown by FZ method

Narumi Kumamoto, Daisuke Nakauchi, Takumi Kato, Go Okada, Noriaki Kawaguchi, Takayuki Yanagida

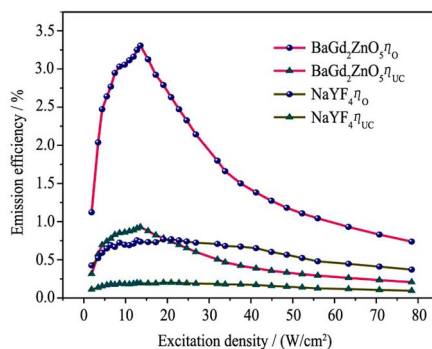


X-ray induced scintillation spectra of the Tb:C12A7 crystals and undoped C12A7 crystal

J. Rare Earths, (35) 2017: 957-963

- 964 Judd-Ofelt parameters of the up-conversion phosphors: Er^{3+} doped $\text{BaGd}_2\text{ZnO}_5/\text{PMMA}$ and $\text{NaYF}_4/\text{PMMA}$

HU Fan, LIU Xinran, CHEN Rongrong, LIU Yanzhou, MAI Yaohua, Ramzi Maalej, YANG Yanmin



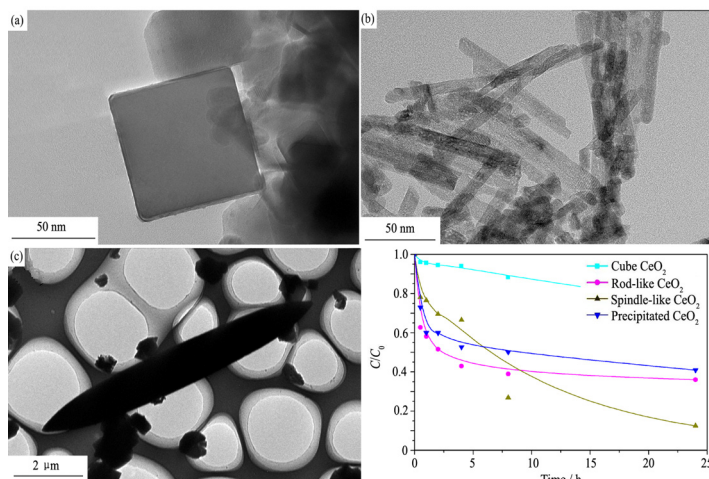
Relationship of the absolute efficiency and the extreme efficiency with the excitation density of the Er^{3+} -doped sample

J. Rare Earths, (35) 2017: 964-969

RARE EARTH CATALYSIS

- 970 Influence of morphology on basicity of CeO_2 and its use in 2-chloroethyl ethyl sulfide degradation

CHEN Wenming, RAN Rui, WENG Duan,
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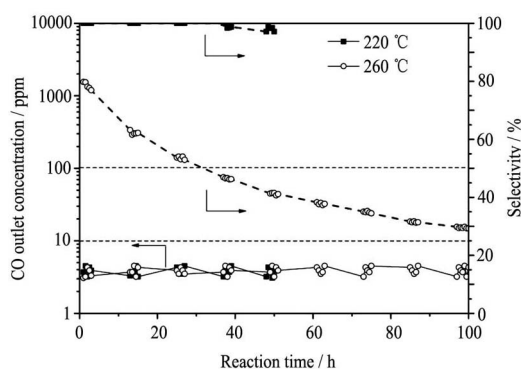


TEM images and degradation performance (d) of CeO_2 with different morphologies: (a) cubic, (b) rod-like, (c) spindle-like

J. Rare Earths, (35) 2017: 970-976

- 977 Surface composition change of chlorine-doped catalyst $\text{Ni}(\text{Cl}_x)/\text{CeO}_2$ in methanation reaction

GAO Zhiming, ZHANG Shan, MA Hongwei,
LI Zhanping



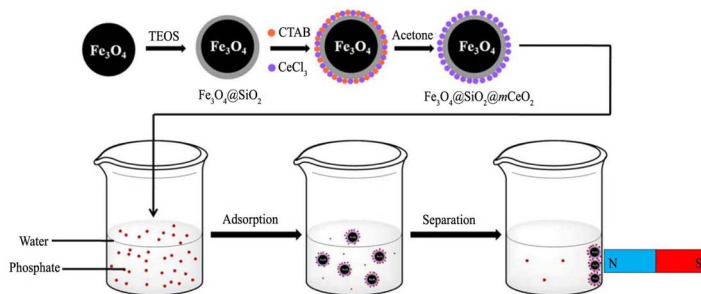
The decline in selectivity is related with surface composition change of the catalyst $\text{Ni}(\text{Cl}_{0.3})/\text{CeO}_2$ in the catalytic reaction

J. Rare Earths, (35) 2017: 977-983

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DING Hong, ZHAO Yanling, DUAN Qianlin,
WANG Junwen, ZHANG Kan, DING
Guangyue, XIE Xianmei, DING Chuanmin

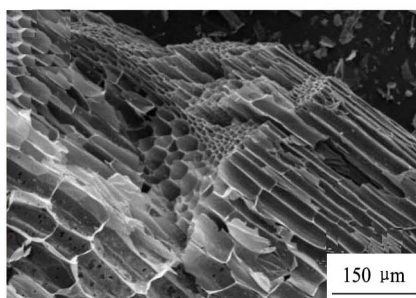


The synthesis route and magnetic separation process of $\text{Fe}_3\text{O}_4/\text{SiO}_2/\text{mCeO}_2$ magnetic nanoparticles

J. Rare Earths, (35) 2017: 984-994

- 995 Novel 3D porous graphene decorated with $\text{Co}_3\text{O}_4/\text{CeO}_2$ for high performance supercapacitor power cell

CAO Yunyue, LIU Chengbao, QIAN Junchao,
CHEN Zhigang, CHEN Feng



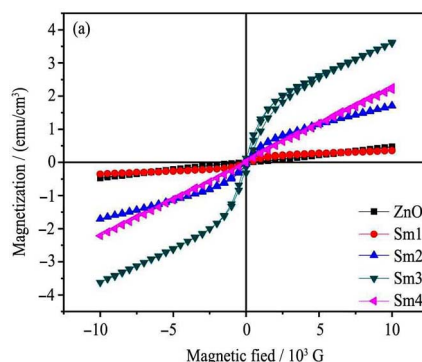
SEM micrographs of hollow porous structure observed under low magnifications after treatment

J. Rare Earths, (35) 2017: 995-1001

- 1002 Effect of samarium doping on structural, optical and magnetic properties of vertically aligned ZnO nanorod arrays

*D. Ranjith Kumar, K.S. Ranjith,
L.R. Nivedita, R.T. Rajendra Kumar*

J. Rare Earths, (35) 2017: 1002-1007



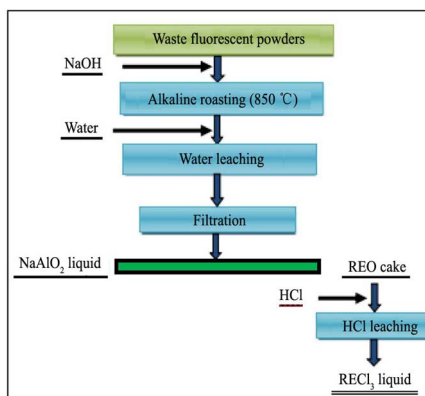
Magnetic behavior of undoped and Sm doped ZnO NR arrays

CHEMISTRY AND HYDROMETALLURGY

- 1008 Selective extraction and recovery of rare earth metals from waste fluorescent powder using alkaline roasting-leaching process

*LIAO Chunfa, LI Zhenyuan, ZENG Yanliang,
CHEN Jingyuan, ZHONG Liqin, WANG Li*

J. Rare Earths, (35) 2017: 1008-1013

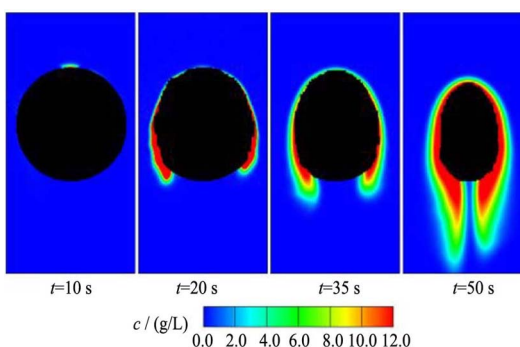


Test procedure for the "alkaline roasting-acid leaching" process

- 1014 Lattice Boltzmann model for simulation on leaching process of weathered elution-deposited rare earth ore

*QIU Tingsheng, ZHU Dongmei,
WU Chengyou, WANG Limin*

J. Rare Earths, (35) 2017: 1014-1021



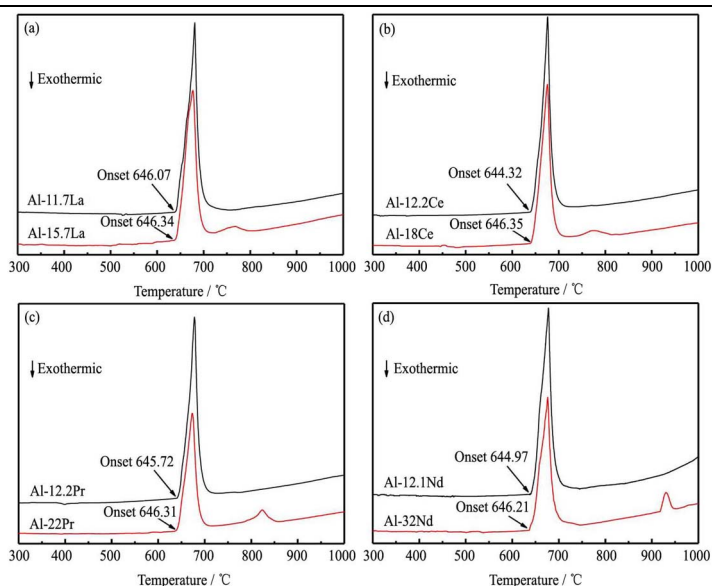
Solid phase update process of rare earth leaching

METALLOGRAPHY AND PYROMETALLURGY

- 1022 Experimental investigation of eutectic point in Al-rich Al-La, Al-Ce, Al-Pr and Al-Nd systems

*CAO Zujun, KONG Gang, CHE Chunshan,
WANG Yanqi, PENG Haotang*

J. Rare Earths, (35) 2017: 1022-1028



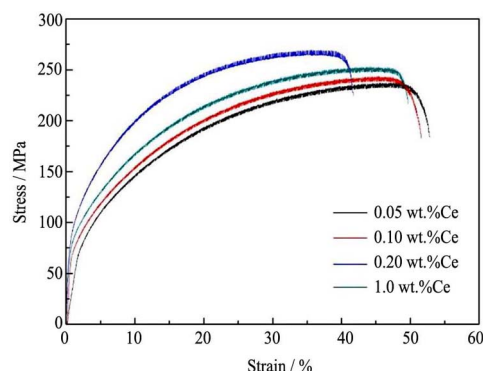
DSC plots of Al-RE alloys

(a) Al-La alloys; (b) Al-Ce alloys; (c) Al-Pr alloys; (d) Al-Nd alloys

- 1029 Influence of cerium on solidification, recrystallization and strengthening of Cu-Ag alloys

CHANG Lili, JIA Bin, LI Shengli,
ZHU Xinde, FENG Rui, SHANG Xingjun

J. Rare Earths, (35) 2017: 1029-1034

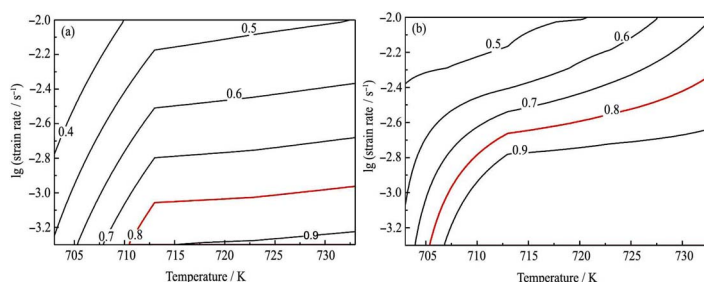


Tensile strain-stress curves of Cu-Ag-RE alloys

- 1035 Effect of yttrium addition on flow behavior of Cu-Zr-Al bulk metallic glass in the supercooled liquid region

YANG Ke, FAN Xinhui, LI Bing, LI Yanhong,
WANG Xin, XU Xuanxuan

J. Rare Earths, (35) 2017: 1035-1041



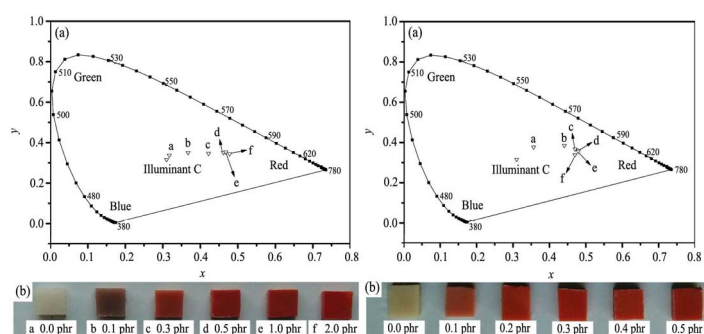
Power dissipation maps of $\text{Cu}_{43}\text{Zr}_{48}\text{Al}_9$ (a) and $(\text{Cu}_{43}\text{Zr}_{48}\text{Al}_9)_{98}\text{Y}_2$ (b) at the temperature range of 703–733 K

RARE EARTH APPLICATIONS

- 1042 Synthesis of $\gamma\text{-Ce}_2\text{S}_3$ colorant under low temperature and its coloring properties for PE and PVC

WANG Dongri, ZHAO Yongqing, YU Shiyong

J. Rare Earths, (35) 2017: 1042-1046



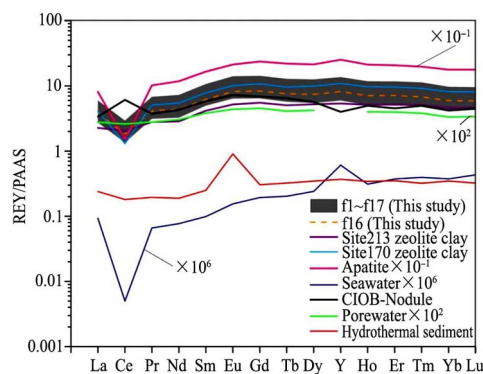
Nanoscale $\gamma\text{-Ce}_2\text{S}_3$ particles were successfully synthesized at low temperature (700 °C) by using commercially available nanoscale CeO_2 as precursor. Satisfied coloring effects to PE and PVC were obtained by using 0.5 phr and 0.2 phr $\gamma\text{-Ce}_2\text{S}_3$, respectively (a) chromaticity coordinates and (b) photographs for $\gamma\text{-Ce}_2\text{S}_3/\text{PE}$ (left) and $\gamma\text{-Ce}_2\text{S}_3/\text{PVC}$ (right) composites

GEOLOGY AND ORE DRESSING

- 1047 Geochemical characteristics of REY-rich pelagic sediments from the GC02 in central Indian Ocean Basin

ZHANG Xiaoyu, TAO Chunhui, SHI Xuefa,
LI Huaiming, HUANG MU, HUANG Dasong

J. Rare Earths, (35) 2017: 1047-1058



The CIOB is suggested to be a promising place hosting REY rich pelagic sediments. The REY rich pelagic sediments in the CIOB has the similar REY enrichment mechanism with those from Pacific Ocean