

참여교수 SCI(E) 논문 상세실적 (2013.9-2014.8)

연번	논문제목	게재학술지명	ISSN	권	호	쪽	년월(YYYYMM)	저자 중 참여교수 성 명	주저자 여부	IF 지수 (I)
1	Influence of hot isostatic pressing on microstructure and mechanical behaviour of nanostructured Al alloy	POWDER METALLURGY	00325899	56	4	276	2013-09-01	안병민	공동(참여)	0.584
2	Synthesis and characterization of LiMnBO3 cathode material for lithium ion batteries	CURRENT APPLIED PHYSICS	1567-1739	13	7	1440	2013-09-01	김동완	공동(참여)	1.814
3	Hydrogenolysis of cellulose into polyols over Ni/W/SiO2 catalysts	APPLIED CATALYSIS A-GENERAL	0926860X	466		161	2013-09-10	박은덕	공동(교신)	3.41
4	New microarchitectures of(Er,Yb):Lu2O3 nanocrystals embedded in PMMA: synthesis, structural characterization and luminescent properties	NANOSCALE RESEARCH LETTERS	1931-7573	8	1	385	2013-09-13	김기홍, 이상민	공동(참여)	2.524
5	Luminescent Properties of RbSrPO4:Eu2+ Phosphors for Near-UV-Based White-Light-Emitting Diodes	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	1434-1948	2013	26	4662	2013-09-16	김동완, 김승주	공동(교신)	3.12
6	Tuning the Electronic Structure of Tin Sulfides Grown by Atomic Layer Deposition	ACS APPLIED MATERIALS & INTERFACES	1944-8244	5	18	8889	2013-09-25	서형탁	공동(교신)	5.008
7	Assessment of ZK60A magnesium billets for forging depending on casting methods by upsetting and tomography	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY	1738494X	27	10	3149	2013-10-01	안병민	공동(참여)	0.616
8	Hydrothermal synthesis of one-dimensional tungsten oxide nanostructures using cobalt ammonium sulfate as a structure-directing agent	KOREAN JOURNAL OF CHEMICAL ENGINEERING	02561115	30	10	1833	2013-10-01	김창구	공동(교신)	1.059
9	Production of high carbon number hydrocarbon fuels from a lignin-derived α-O-4 phenolic dimer, benzyl phenyl ether, via isomerization of ether to alcohols on high-surface-area silica-alumina aerogel catalysts	APPLIED CATALYSIS B-ENVIRONMENTAL	09263373	142-143		668	2013-10-01	박은덕	공동(참여)	5.825
10	Comparison of toxicity of different nanorodtype TiO2 polymorphs in vivo and in vitro	JOURNAL OF APPLIED TOXICOLOGY	0260-437x			1	2013-10-07	김동완	공동(교신)	2.597
11	Evolution of Defect-Associated Subband Energy States in Nanocrystalline TiO2 Films on Si and Ge Substrates	JAPANESE JOURNAL OF APPLIED PHYSICS	0021-4922	52	10	10MD04-1	2013-10-21	서형탁	공동(교신)	1.067
12	Modeling the Effects of the Cathode Composition of a Lithium Iron Phosphate Battery on the Discharge Behavior	ENERGIES	19961073	6	11	5597	2013-10-23	신치범	공동(교신)	1.844
13	Mellite-type blue chromophores based on Mn3+ in a trigonal-bipyramidal coordination induced by interstitial oxygen	JOURNAL OF MATERIALS CHEMISTRY C	0959-9428	2013	37	5843	2013-10-27	김승주	공동(참여)	6.108
14	Effect of Pt particle size on propane combustion over Pt/ZSM-5	CATALYSIS LETTERS	1011372X	143	11	1132	2013-11-01	박은덕	공동(교신)	2.244
15	High-speed scanning photocurrent imaging techniques on nanoscale devices	CURRENT APPLIED PHYSICS	1567-1739	13	9	2076	2013-11-01	안영환, 이순일, 박지용	공동(교신)	1.814
16	Hydrothermal realization of a hierarchical, flowerlike MnWO4@MWCNTs nanocomposite with enhanced reversible Li storage as a new anode material	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	8	11	2851	2013-11-01	김동완	공동(교신)	4.572
17	Sputter target stoichiometry dependent dielectric properties of Bi2O3-ZnO-Nb2O5 pyrochlore system	JOURNAL OF ELECTROCEAMICS	1385-3449	31	3-4	345-352	2013-11-01	고경현	공동(제1)	1.143
18	Pulse width shaping of passively mode-locked soliton fiber laser via polarization control in carbon nanotube saturable absorber	OPTICS EXPRESS	1094-4087	21	22	27011	2013-11-04	염동일, 이상민	공동(교신)	3.546
19	Crystal Engineering of Acentric Styryl Quinolinium Crystals with Strongly Hydrogen-Bonded Phenolic Anions	CRYSTAL GROWTH & DESIGN	15287483	13	11	5085	2013-11-06	이상민, 윤호섭	공동(참여)	4.689
20	High-power Broadband Organic THz Generator	SCIENTIFIC REPORTS	20452322	3		3200-1	2013-11-13	이상민, 윤호섭	공동(교신)	2.927
21	Fabrication and electrochemical performance of Sn-Based nanocomposite fibers via electrospinning	ELECTRONIC MATERIALS LETTERS	1738-8090	9	6	775	2013-11-15	김동완	공동(교신)	1.87
22	Enhanced nonlinear optical effects due to the excitation of optical Tamm plasmon polaritons in one-dimensional photonic crystal structures	OPTICS EXPRESS	1094-4087	21	23	28817	2013-11-18	김기홍	공동(교신)	3.546
23	Dielectric Constant Engineering of Single-Walled Carbon Nanotube Films for Metamaterials and Plasmonic Devices	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	19487185	4	22	3950	2013-11-21	안영환, 이순일, 박지용	공동(교신)	6.585
24	Multi-scale simulation of electron emission from a triode-type electron source with a CNT column array cathode	NANOTECHNOLOGY	09574484	24	46	465303-1	2013-11-22	이순일	공동(교신)	3.842

25	Benzimidazole-Based Ratiometric Two-Photon Fluorescent Probes for Acidic pH in Live Cells and Tissues	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	00027863	135	47	17969	2013-11-27	김환영	공동(교신)	10.677
26	Computational fluid dynamics model of a modular multichannel reactor for Fischer-Tropsch synthesis: Maximum utilization of catalytic bed by microchannel heat exchangers	CHEMICAL ENGINEERING JOURNAL	13858947	234		23-32	2013-12-01	박명준	공동(교신)	3.473
27	Enhancement of fluorescence by Ce3+ doping in green-emitting Ca15(PO4)2(SiO4)6:Eu2+ phosphor for UV-based w-LEDs	CERAMICS INTERNATIONAL	0272-8842	39	8	9791	2013-12-01	김동완	공동(교신)	1.789
28	Yb:KYW planar waveguide laser Q-switched by evanescent-field interaction with carbon nanotubes	OPTICS LETTERS	01469592	38	23	5090	2013-12-01	이상민	공동(교신)	3.385
29	N-Heterocyclic Carbene Catalysed Oxidative Coupling of Aldehydes with Alcohols/Thiols and One-Pot Oxidation/Esterification of Allylic Alcohols	EUROPEAN JOURNAL OF ORGANIC CHEMISTRY	1434193X	2013	35	7881	2013-12-04	장혜영	공동(교신)	3.344
30	Polyethylene Wear Particles Play a Role in Development of Osteoarthritis via Detrimental Effects on Cartilage, Meniscus, and Synovium	Osteoarthritis and Cartilage	1063-4584	21		2021	2013-12-04	김동완	공동(참여)	4.262
31	Effects of a random spatial variation of the plasma density on the mode conversion in cold, unmagnetized, and stratified plasmas	PHYSICS OF PLASMAS	1070-664x	20	12	122104-1	2013-12-05	김기홍	공동(교신)	2.376
32	Modeling the temperature dependence of the discharge behavior of a lithium-ion battery in low environmental temperature	JOURNAL OF POWER SOURCES	03787753	244		143	2013-12-15	신치범	공동(교신)	4.675
33	Single Crystals of a 2-Dimensional Metal Coordination Polymer Containing Pendant Carbazole Groups	BULLETIN OF THE KOREAN CHEMICAL SOCIETY	02532964	34	12	3903	2013-12-20	윤호섭	공동(참여)	0.982
34	Carbon dioxide-mediated metal-free oxidation of allylic alcohols to esters	RSC ADVANCES	20462069	3	47	24922	2013-12-21	장혜영	공동(교신)	2.562
35	All-fiber dissipative soliton laser with 10.2 nJ pulse energy using an evanescent field interaction with graphene saturable absorber	LASER PHYSICS LETTERS	16122011	11	1	015101	2014-01-01	염동일, 이상민	공동(교신)	7.714
36	Electrodeposition of Manganese -Nickel Oxide Films on a Graphite Sheet for Electrochemical Capacitor Applications	Materials	1996-1944	7	1	265	2014-01-01	김창구	공동(교신)	2.247
37	Gigahertz repetition rate, sub-femtosecond timing jitter optical pulse train directly generated from a mode-locked Yb:KYW laser	OPTICS LETTERS	01469592	39	1	56	2014-01-01	이상민	공동(참여)	3.385
38	Modeling and optimization of the mixed reforming of methane: Maximizing CO2 utilization for non-equilibrated reaction	Fuel	0016-2361	115		357-365	2014-01-01	박명준	공동(교신)	3.357
39	Characteristics of efficient few-cycle terahertz radiation generated in as-grown nonlinear organic single crystals	Current Applied Physics	1567-1739	12		403	2014-01-02	이상민	공동(교신)	1.814
40	Quinoline-Based Two-Photon Fluorescent Probe for Nitric Oxide in Live Cells and Tissues	ANALYTICAL CHEMISTRY	00032700	86	1	308-311	2014-01-07	김환영	공동(교신)	5.695
41	Highly Reversible Li Storage in Hybrid NiO/Ni/Graphene Nanocomposites Prepared by an Electrical Wire Explosion Process	ACS Applied Materials & Interfaces	1944-8244	6	1	137	2014-01-08	김동완	공동(교신)	5.008
42	Role of intermediate phase for stable cycling of Na7V4(P2O7)4PO4 in sodium ion battery	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	0027-8424	111	2	599	2014-01-14	김승주	공동(참여)	9.737
43	Surface-area-tuned, Quantum-dot-sensitized Heterostructured Nanoarchitectures for Highly Efficient Photoelectrodes in vitro	NANO RESEARCH	1998-0124	7	1	144	2014-01-16	김동완	공동(교신)	7.392
44	Diffraction-limited high-power single-cycle terahertz pulse generation in prism-cut LiNbO3 for precise terahertz applications	Journal of the Optical Society of Korea	1226-4776	18	1	60	2014-01-20	이상민	공동(교신)	1.022
45	Significant electrical control of amorphous oxide thin film transistors by an ultrathin Ti surface polarity modifier	APPLIED PHYSICS LETTERS	0003-6951	104	4	03-1-04210	2014-01-27	서형탁	공동(교신)	3.794
46	cy of coal ash under various gasification	FUEL	0016-2361	117	PART B	1274-1280	2014-01-30	김형택	공동(교신)	3.357
47	Fischer-Tropsch Synthesis on cobalt/Al2O3-modified SiC catalysts: effect of cobalt-alumina interactions	CATALYSIS SCIENCE & TECHNOLOGY	2044-4753	4	2	343-351	2014-02-01	박명준	공동(참여)	3.753
48	Liquid-phase dehydration of d-xylose over silica-alumina catalysts with different alumina contents	REACTION KINETICS MECHANISMS AND CATALYSIS	1878-5190	111	2	521-534	2014-02-01	박은덕	공동(교신)	1.104
49	Modeling a channel-type reactor with a plate heat exchanger for cobalt-based Fischer-Tropsch synthesis	Fuel Processing Technology	0378-3820	118		235-243	2014-02-01	박명준	공동(교신)	2.816

50	Preparation and Characterizations of Lithium Iron Borate Nano-sized Powders via Aerosol and Thermal Process	Current Nanoscience	1573-4137	10	1	168	2014-02-01	김동완	공동(참여)	1.356
51	Wave-packet dynamics in one-dimensional nonlinear Schrodinger lattices: local vs. nonlocal nonlinear effects	Journal of the Korean Physical Society	0374-4884	64	3	355	2014-02-01	김기홍	공동(교신)	0.506
52	A small molecule two-photon fluorescent probe for intracellular sodium ions	CHEMICAL COMMUNICATIONS	13597345	2014	11	1309	2014-02-09	김환명	공동(교신)	6.378
53	Fully Solution-Processed Semitransparent Organic Solar Cells with a Silver Nanowire Cathode and a Conducting Polymer Anode	ACS NANO	1936-0851	8	3	2857-2863	2014-02-17	이순일, 박지용, 안영환	공동(교신)	12.062
54	Two-Photon Fluorescent Probes for Metal Ions in Live Tissues	INORGANIC CHEMISTRY	00201669	53	4	1794-1803	2014-02-17	김환명	공동(교신)	4.593
55	Direct Coupling of Cs2CO3 and Alcohols for the Synthesis of Dimethyl, Diethyl, and Various Dialkyl Carbonates	BULLETIN OF THE KOREAN CHEMICAL SOCIETY	0253-2964	35	2	622-624	2014-02-18	장혜영	공동(교신)	0.982
56	A triode-type carbon nanotube ionizer for micro mass spectrometer	JAPANESE JOURNAL OF APPLIED PHYSICS	0021-4922	53	3	036703-1-06JM09-5	2014-03-01	이순일	공동(참여)	1.067
57	Effects of dealumination and desilication of H-ZSM-5 on xylose dehydration	MICROPOROUS AND MESOPOROUS MATERIALS	1387-1811	186	1	121-129	2014-03-01	박은덕	공동(교신)	3.365
58	Kinetic modeling of hydrocracking reaction in a trickle-bed reactor with Pt/Y-zeolite catalysts	KOREAN JOURNAL OF CHEMICAL ENGINEERING	0256-1115	31	3	419-426	2014-03-01	박명준, 박은덕	공동(교신)	1.059
59	90-fs diode-pumped Yb:CLNGG laser mode-locked using single-walled carbon nanotube saturable absorber	Optics Express	1094-4087	22	5	5635	2014-03-10	이상민	공동(참여)	3.546
60	Evolution of plasticity, strain-rate sensitivity and the underlying deformation mechanism in Zn-22% Al during high-pressure torsion	SCRIPTA MATERIALIA	1359-6462	75		102-105	2014-03-15	안병민	공동(참여)	2.821
61	Metal-Free Synthesis of Cyclic and Acyclic Carbonates from CO2 and Alcohols	EUROPEAN JOURNAL OF ORGANIC CHEMISTRY	1434193X	2014	9	1823-1826	2014-03-17	장혜영	공동(교신)	3.344
62	Metal-Organocatalytic Tandem Azide Addition/Oxyamination of Aldehydes for the Enantioselective Synthesis of β -Amino α -Hydroxy Esters	EUROPEAN JOURNAL OF ORGANIC CHEMISTRY	1434193X	2014	9	1817-1822	2014-03-17	장혜영	공동(교신)	3.344
63	Diastereo- and Enantioselective Synthesis of Hexasubstituted Cyclohexanes via a Metal-Organocatalytic Quadruple Cascade Sequence	SYNTHESIS-STUTT GART	0039-7881	46	10	1329-1333	2014-03-27	장혜영, 윤호섭	공동(교신)	2.5
64	All-water-based electron-beam lithography using silk as a resist	NATURE NANOTECHNOLOGY	1748-3387	9		306-310	2014-04-01	김성환	공동(제1)	31.17
65	Dielectric substrate effect on the metamaterial resonances in terahertz frequency range	CURRENT APPLIED PHYSICS	1567-1739	14	4	570-574	2014-04-01	안영환	공동(교신)	1.814
66	Effects of surface area of Co-Mn-O catalysts on the selective CO oxidation in H2	CATALYSIS LETTERS	1011-372X	144	4	607-614	2014-04-01	박은덕	공동(교신)	2.244
67	Design of a wideband continuous-wave photomixer antenna for terahertz wireless communication systems	Journal of Electromagnetic Waves and Applications	0920-5071	28	8	976	2014-04-06	이상민	공동(참여)	0
68	Synthesis and characterization of new nickel phosphates, $\text{Ni}_4(\text{PO}_4)_3$ ($a=k$, rb)	Bulletin of the Korean Chemical Society	0253-2964	35	4	1225	2014-04-30	윤호섭	공동(교신)	0.982
69	Invariant imbedding theory for the scattering and absorption of electromagnetic waves by spherical bodies	Journal of the Korean Physical Society	0374-4884	64	8	1120	2014-04-15	김기홍	공동(교신)	0.506
70	Modeling of a pilot-scale fixed-bed reactor for iron-based Fischer-Tropsch synthesis: Two-dimensional approach for optimal tube diameter	Fuel	0016-2361	122		229-235	2014-04-15	박명준	공동(교신)	3.357
71	Resistive switching of a TaOx/TaON double layer via ionic control of carrier tunneling	APPLIED PHYSICS LETTERS	0003-6951	104	15	503-1-15160	2014-04-17	서형탁	공동(교신)	3.794
72	Charge Transport in Light Emitting Devices Based on Colloidal Quantum Dots and a Solution-Processed Nickel Oxide Layer	ACS APPLIED MATERIALS & INTERFACES	1944-8244	6	10	7286-7291	2014-05-07	이순일, 박지용, 안영환	공동(교신)	5.008
73	Detection of microorganisms using terahertz metamaterials	SCIENTIFIC REPORTS	2045-2322	4		988-1-4988-	2014-05-16	안영환, 이순일, 박지용	공동(교신)	2.927
74	A novel micro-machined mesh grid for a triode-type carbon nanotube field emitter	JAPANESE JOURNAL OF APPLIED PHYSICS	0021-4922	53	6S	06JM09-1-06JM09-4	2014-05-21	이순일	공동(교신)	1.067
75	A traveling-wave stripline dipole antenna on a substrate lens at terahertz frequency	Current Applied Physics	1567-1739	14		998	2014-05-21	이상민	공동(참여)	1.814
76	Quantitative non-contact voltage profiling of quasi one-dimensional nanoelectronic devices	APPLIED PHYSICS LETTERS	0003-6951	104	21	213102-1-213102-5	2014-05-26	박지용, 이순일, 안영환	공동(교신)	3.794
77	Stabilized resistive switching behaviors of a Pt/TaOx/TiN RRAM under different oxygen contents	Phys. Status Solidi A	1862-6300	211	9	2189-2194	2014-05-28	서형탁	공동(교신)	1.469

78	Transmission, reflection and localization of waves in one-dimensional amplifying media with nonlinear gain	Journal of the Korean Physical Society	0374-4884	64	11	1665	2014-06-01	김기홍	공동(교신)	0.506
79	Diffusion length in nanoporous TiO2 films under above-band-gap illumination	AIP ADVANCES	2158-3226	4	6	06-1-06710	2014-06-03	안영환,이순일,박지용	공동(교신)	1.349
80	Temperature dependence of silicon nitride deposited by remote plasma atomic layer deposition	Phys. Status Solidi A	1862-6300	211	9	2166-2171	2014-06-03	서형탁	공동(교신)	1.469
81	Copper-dienamine catalysis: γ -oxygenation of α,β -unsaturated aldehydes	CATALYSIS SCIENCE & TECHNOLOGY	2044-4753	4		1914-1919	2014-06-10	장혜영	공동(교신)	3.753
82	Interplay between Crystal Structure and Photoluminescence Properties of β -Ca3SiO4Cl2:Eu2+	J. Phys. Chem. C	1932-7447	118	23	12428	2014-06-12	김승주	공동(교신)	4.814
83	Microstructural evolution and mechanical properties in a Zn-Al eutectoid alloy processed by high-pressure torsion	ACTA MATERIALIA	1359-6454	72		67-79	2014-06-15	안병민	공동(교신)	3.941
84	Nearly Perfect Absorption by Bimetallic Surface Plasmonic Crystal and Its Application as Sensor	IEEE PHOTONICS TECHNOLOGY LETTERS	1041-1135	26	12	1259-1262	2014-06-15	김성환	단독	2.038
85	Optimized electronic structure of a Cu(In,Ga)Se2 solar cell with atomic layer deposited Zn(O,S) buffer layer for high power conversion efficiency	RSC ADVANCES	2046-2069	4	53	28111-28118	2014-06-16	서형탁	공동(교신)	2.562
86	Red Emissive Two-Photon Probe for Real-Time Imaging of Mitochondria Trafficking	ANALYTICAL CHEMISTRY	00032700	86	12	5638-5641	2014-06-17	김환영	공동(교신)	5.695
87	Carbon nanostructure-based saturable absorber mirror for a diode-pumped 500-MHz femtosecond Yb:KLu(WO4)2 laser	Optics Express	1094-4087	22	13	15626	2014-06-30	이상민,염동일	공동(교신)	3.546
88	N-heterocyclic carbene-catalyzed oxidation of aldehydes for the synthesis of amides via phenolic esters	RSC ADVANCES	2046-2069		4	28225-28228	2014-06-30	장혜영	공동(교신)	2.562
89	Effect of Mg composition on sintering behaviors and mechanical properties of Al-Cu-Mg alloy	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	24	7	s53-s58	2014-07-01	안병민	공동(교신)	0.917
90	Effects of fabrication methods on deformability and microstructure of Mg-Zn-Zr wrought alloy	TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA	1003-6326	24	7	s68-s74	2014-07-01	안병민	공동(교신)	0.917
91	Oxidation potential control of VO2 thin films by metal oxide co-sputtering	JOURNAL OF MATERIALS SCIENCE	0022-2461	49	14	5087-5092	2014-07-01	고경현	공동(참여)	2.163
92	Multi-resistive Reduced Graphene Oxide Diode with Reversible Surface Electrochemical Reaction induced Carrier Control	SCIENTIFIC REPORTS	2045-2322	4		542-1-5642	2014-07-10	서형탁	공동(제1)	2.927
93	Steam reforming of methanol over Cu/ZnO/ZrO2/Al2O3 catalyst	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	0360-3199	39	22	11517-11521	2014-07-24	박은덕	공동(교신)	3.548
94	Experimental study on different heating rate kinetics of Indonesian and Inner Mongolian low rank coal for catalytic gasification	Industrial and Engineering Chemistry Research	1226-086x	20	4	2095	2014-07-25	김형택	공동(교신)	2.145
95	Detection of oxygen ion drift in Pt/Al2O3/TiO2/Pt RRAM using interface-free single-layer graphene electrodes	CARBON	0008-6223	75		209-216	2014-08-01	서형탁	공동(교신)	5.868
96	Modeling and analysis of a methanol synthesis process using a mixed reforming reactor: Perspective on methanol production and CO2 utilization	Fuel	0016-2361	129		163-172	2014-08-01	박명준	공동(교신)	3.357
97	Pretreatment effect of Cu feedstock on cold-sprayed coatings	JOURNAL OF MATERIALS PROCESSING TECHNOLOGY	0924-0136	214	8	1530-1535	2014-08-01	고경현	공동(제1)	1.953
98	Thiol as a synthon for preparing thiocarbonyl: aerobic oxidation of thiols for the synthesis of thioamides	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	79	15	7256-7260	2014-08-01	장혜영	공동(교신)	4.564
99	Reaction characteristics through catalytic steam gasification with ultra clean coal char and coal	Journal of the Energy Institute	1743-9671	87	3	253	2014-08-01	김형택	공동(교신)	0.469
100	Resistance switching in epitaxial SrCoOx thin films	APPLIED PHYSICS LETTERS	0003-6951	105	6	063507-1-063507-5	2014-08-11	박지용	공동(참여)	3.794
101	Fully Solution-Processed Transparent Conducting Oxide-Free Counter Electrodes for Dye-Sensitized Solar Cells: Spray-Coated Single-Wall Carbon Nanotube Thin Films Loaded with Chemically-Reduced Platinum Nanoparticles	ACS APPLIED MATERIALS & INTERFACES	1944-8244	6	16	13430-13437	2014-08-27	이순일	공동(교신)	5.008