



ابراهیم قاسمی

دانشیار

پژوهشکده: مواد رنگزا

گروه پژوهشی: رنگهای سرامیکی و لعاب



سوابق تحصیلی			
مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۶۹	مهندسی مواد- سرامیک	دانشگاه علم و صنعت
کارشناسی ارشد	۱۳۷۷	مهندسی مواد- سرامیک	پژوهشگاه مواد و انرژی
دکتری	۱۳۸۷	مهندسی مواد	دانشگاه علم و صنعت

اطلاعات استخدامی				
محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
		رسمی قطعی	تمام وقت	

فعالیت های علمی و اجرایی

مسئولیت های سازمانی و سوابق کاری	از سال ۱۳۷۷ تا سال ۱۳۹۳
شرکت ساگار و قطعات نسوز مرند (با سمت های مدیر کنترل کیفیت و مدیر تولید)	۱۳۷۷-۱۳۷۹
شرکت صنایع سرامیک و نسوزگرگین به عنوان مدیر تحقیق و توسعه (R&D)	۱۳۸۰-۱۳۸۱
مدیر تولید شرکت فرآورده های نسوز کمال آباد	۱۳۸۱-۱۳۸۲
مشاور فنی کارخانه آجر نسوز آسیا	۱۳۸۳-۱۳۸۷
مدیر گروه رنگدانه های معدنی و لعاب پژوهشگاه علوم و فناوری رنگ	۱۳۸۸-۱۳۹۵
عضو هیئت مدیره انجمن سرامیک ایران	۱۳۸۸-تاکنون
مشاور فنی شرکت صنایع سرامیک و نسوز گرگین مرند	۱۳۹۴-۱۳۹۱
رئیس کمیته فنی ۲۵۶ ISIRI/TC رنگدانه ها، رنگزاها و مواد پرکننده	۱۳۹۲-۱۳۹۵
معاون توسعه مدیریت و منابع پژوهشگاه علوم و فناوری رنگ	۱۳۹۵ تاکنون

کارگاه ها

۱- دبیر علمی کارگاه رنگ در صنایع سرامیک (آبان ۱۳۹۵)

۲- مدرس کارگاه رنگ در صنایع سرامیک (آبان ۱۳۹۵)

عضویت در انجمن های علمی

۱- عضو پیوسته انجمن سرامیک ایران (۱۳۷۴ تاکنون)

۲- عضو هیات مدیره انجمن سرامیک ایران (۱۳۹۱-۱۳۹۵)

مقالات در نشریات

۱. Niaraki, B. Ghasemi, A. Habibolahzadeh, E. Ghasemi, M. Ghaharid, Cool and S. Sadeghi, photocatalytic reddish-brown nanostructured $\text{Fe}_2\text{O}_3@ \text{SiO}_2@ \text{TiO}_2$ pigments. *Materials Science and Engineering: B*, ۲۰۲۰.
۲. Azam Pirkarami, Sousan Rasouli, Ebrahim Ghasemi. Enhancing water splitting via weakening H_2 and O_2 adsorption on NiCo-LDH@CdS due to interstitial nitrogen doping: A close look at the mechanism of electron transfer. *Journal of Energy Chemistry*, ۲۰۲۰.
۳. S, Hosseini, E. Ghasemi, Synthesis and characterization of hybrid MgAl-LDH@SiO₂@CoAl₂O₄ pigment with high NIR reflectance for sustainable energy saving applications, *Materials Science and Engineering: B*, 2020.
۴. Kasaeian, M., Ghasemi, E., Ramezanzadeh, B., Mahdavian, M, Graphene oxide as a potential nanocarrier for Zn(II) to fabricate a dual-functional active/passive protection; sorption/desorption characteristics and electrochemical evaluation, *Journal of Industrial and Engineering Chemistry*, 2020.
۵. Sadeghi, & Niaraki, S., Ghasemi, B., Habibolahzadeh, A., Ghasemi, E., Ghahari, M., Nanostructured $\text{Fe}_2\text{O}_3@ \text{TiO}_2$ pigments with improved NIR reflectance and photocatalytic ability, *Materials Chemistry and Physics*, 2020.
۶. Alibakhshi, E., Ghasemi, E., Mahdavian, M., Ramezanzadeh, B., Mana yasaei, The effect of interlayer spacing on the inhibitor release capability of layered double hydroxide based nanocontainers, *Journal of Cleaner Production*, 2020.
۷. Olya, N., Ghasemi, E., Ramezanzadeh, B., Mahdavian, M, Synthesis, characterization and protective functioning of surface decorated Zn-Al layered double hydroxide with SiO₂ nanoparticles, *Surface and Coatings Technology*, 2020.
۸. Majd Mahsa, Davoodi, Ebrahim Ghasemi, Bahram Ramezanzadeh, Mohammad Mahdavian, Construction of a smart active/barrier anti-corrosion system based on epoxy-ester/zinc intercalated kaolin nanocontainer for steel substrate, *Construction and Building Materials*, 2020.
۹. Mahsa Davoodi, Ebrahim Ghasemi, Bahram Ramezanzadeh, Mohammad Mahdavian, Designing a zinc-encapsulated Feldspar as a unique rock-forming tectosilicate nanocontainer in the epoxy coating; improving the robust barrier and self-healing anti-corrosion properties, *Construction and Building Materials*, 2020.
۱۰. Hosseini, S., Ghasemi, E, Synthesis and characterization of hybrid MgAl-LDH@SiO₂@CoAl₂O₄ pigment with high NIR reflectance for sustainable energy saving applications, *Applied Clay Science*, 2020.
۱۱. Mana Yasaei, Mehrdad Khakbiz, Ali Zamanian, Ebrahim Ghasemi, Synthesis and characterization of Zn/Al-LDH@SiO₂ nanohybrid: Intercalation and release behavior of vitamin C, *Materials Science and Engineering C*, 2019.

- Mojtab Kaasaeian, Ebrahim Ghasemi, Bahram. Ramezanzadeh, Mohammad .12
Mahdavian, Construction of a highly effective self-repair corrosion-resistant epoxy composite through impregnation of 1H-Benzimidazole corrosion inhibitor modified graphene oxide nanosheets (GO-BIM), Corrosion Science, 2019
- Mana Yasaei, Mehrdad Khakbiz, Ebrahim Ghasemi, Ali Zamanian, Synthesis and .13
characterization of ZnAl-NO₃ (-CO₃) layered double hydroxide: A novel structure for intercalation and release of simvastatin, Applied Surface Science, 2019
- Azam Pirkarami, Sousan Rasouli, Ebrahim Ghasemi, 3-D CdS@NiCo layered double hydroxide .14
core-shell photoelectrocatalyst used for efficient overall water splitting, Applied Catalysis B: Environmental, 2019
- Shaghayegh Shabani, Rahim Naghizadeh, Farhad Golestanifard, Mohsen Fallah Vostakola, .15
Ebrahim Ghasemi, Effect of TiO₂ addition on microstructure and mechanical properties of alumina-based cores prepared by sol-gel method, International Journal of Applied Ceramic Technology, 2019
- Somayeh Sadeghi, & Niaraki, Behrooz Ghasemi, Ali Habibolahzadeh, Ebrahim Ghasemi, Mehdi .16
Ghahari., Nanostructured Fe₂O₃@TiO₂ pigments with improved NIR reflectance and photocatalytic ability, Materials Chemistry and Physics, 2019
- Mojtab Kaasaeian, Ebrahim Ghasemi, Bahram. Ramezanzadeh, Mohammad .17
Mahdavian, Graphene oxide as a potential nanocarrier for Zn(II) to fabricate a dual-functional active/passive protection; sorption/desorption characteristics and electrochemical evaluation, Journal of Industrial and Engineering Chemistry, 2019
- Somayeh Sadeghi, & Niaraki, Behrooz Ghasemi, Ali Habibolahzadeh, Ebrahim Ghasemi, Mehdi .18
Ghahari., Preparation of (Fe,Cr)₂O₃@TiO₂ cool pigments for energy saving applications, Journal of Alloys and Compounds, 2019
- Mojtab Kaasaeian, Ebrahim Ghasemi, Bahram. Ramezanzadeh, Mohammad Mahdavian, A .19
combined experimental and electronic-structure quantum mechanics approach for studying the kinetics and adsorption characteristics of zinc nitrate hexahydrate corrosion inhibitor on the graphene oxide nanosheets, Applied Surface Science, 2018
- Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, Bahram .20
Ramezanzadeh,, Fabrication and characterization of layered double hydroxide/silane nanocomposite coatings for protection of mild steel, Journal of the Taiwan Institute of Chemical Engineers,, 2017
- Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, Bahram Ramezanzadeh,, Active .21
Corrosion Protection of Mg-Al-PO₄ -LDH Nanoparticle in Silane Primer Coated with Epoxy on Mild Steel, Journal of the Taiwan Institute of Chemical Engineers, 2017
- Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, Bahrem Ramezanzadeh, A .22
Comparative Study on Corrosion Inhibitive Effect of Nitrate and Phosphate Intercalated Zn-Al-Layered Double Hydroxides (LDHs) Nanocontainers Incorporated into a Hybrid Silane Layer and Their Effect on Cathodic Delamination of Epoxy Topcoat, Corrosion Science, 2017
- A.A. Javidparvar, B. Ramezanzadeh, E. Ghasemi, Effects of Surface Morphology and Treatment .23
of Iron Oxide Nanoparticles on The Mechanical Properties of an Epoxy Coating, Progress in Organic Coatings, 2016
- Askari, Fatemeh, Ebrahim Ghasemi, Bahram Ramezanzadeh, Mohammad .24
Mahdavian, Potassium Zinc Phosphate Pigment Coupled with Benzotriazole for Enhanced Protection of Carbon Steel, Corrosion, 2016
- Hosseini, S. Masoud, Leila Vafajoo, Ebrahim. Ghasemi, B. H. Salman, Experimental .25
investigation the effect of nanoparticle concentration on the rheological behavior of paraffin-based nickel ferrofluid, International Journal of Heat and Mass Transfer, 2016
- Borhan, Shokoufeh, Saeed Hesaraki, Ali, & Asghar Behnamghader, Ebrahim .26
Ghasemi, Rheological Evaluations and in Vitro Studies of Injectable Bioactive Glass-

Polycaprolactone-Sodium Alginate Composites, *Journal of Materials Science: Materials in Medicine*, 2016

Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, Bahram Ramezanzadeh, S. Farashi, Fabrication and Characterization of PO₄³⁻ Intercalated Zn-Al-Layered Double Hydroxide Nanocontainer, *Journal of The Electrochemical Society*, 2016

Ali Asghar Javidparvar, Bahram. Ramezanzadeh, Ebrahim Ghasemi, Effect of Various Spinel Ferrite Nanopigments Modified by Amino Propyl Trimethoxy Silane on the Corrosion Inhibition Properties of the Epoxy Nanocomposites, *NACE - International Corrosion Conference Series*, 2016

A.A. Javidparvar, B. Ramezanzadeh, E. Ghasemi, The Effect of Surface Morphology and Treatment of Fe₃O₄ Nanoparticles on The Corrosion Resistance of Epoxy Coating, *Journal of the Taiwan Institute of Chemical Engineers*, 2016

Ebrahim Ghasemi, Bahram. Ramezanzadeh, S. Saket S. Ashhari, Electrochemical Investigation of The Epoxy Nanocomposites Containing MnAl₂O₄ and CoAl₂O₄ Nanopigments Applied on The Aluminum Alloy 1050, *Journal of Coatings Technology and Research*, 2016

Fatemeh Askari, Ebrahim Ghasemi, Bahram. Ramezanzadeh, Mohammad. Mahdavian, Effect of KOH:ZnCl₂ mole ratio on the phase formation, morphological and inhibitive properties of potassium zinc phosphate (PZP) pigments, *Journal of Alloys and Compounds*, 2015

A. Ghazi, Ebrahim Ghasemi, Mohammad. Mahdavian, Bahram Ramezanzadeh, Mehran. Rostami, The application of benzimidazole and zinc cations intercalated sodium montmorillonite as smart ion exchange inhibiting pigments in the epoxy ester coating, *Corrosion science*, 2015

Fatemeh Askari, Ebrahim Ghasemi, Bahram. Ramezanzadeh, Mohammad Mahdavian, The corrosion inhibitive properties of various kinds of potassium zinc phosphate pigments: Solution phase and coating phase studies, *Progress in Organic Coatings*, 2015

Bahram. Ramezanzadeh, Ebrahim Ghasemi, Mohammad Mahdavian, Elham Changizi, Covalently-grafted graphene oxide nanosheets to improve barrier and corrosion protection properties of polyurethane coatings, *Carbon*, 2015

Ebrahim. Ghasemi, Amir Masoud Arabi, Electrophoretic deposition of kaolin: effects of Al/(Al+Si) ratio, surface charge, mineral, structural and morphological properties, *Journal of Materials Science: Materials in Electronics*, 2015

Fatemeh Askari Tourzani, Ebrahim Ghasemi, B. Ramezanzadeh, Mohammad Mahdavian, Effects of KOH:ZnCl₂ Mole Ratio on The Phase Formation, Morphological and Inhibitive Properties of Potassium Zinc Phosphate (PZP) Pigments, *Journal of Alloys and Compounds*, 2015

Sokoufeh Borhan, Saeed Hesaraki, A.A. Behnamghader, Ebrahim Ghasemi, Injectable Bone Paste Biocomposite Based on Melt-Derived Bioactive Glass and Sodium Alginate Natural Polymer, *Journal of the Australian Ceramic Society*, 2015

Fatemeh Askari Tourzani, Ebrahim Ghasemi, Bahram. Ramezanzadeh, Mohammad Mahdavian, The Corrosion Inhibitive Properties of Various Kinds of Potassium Zinc Phosphate Pigments: Solution Phase and Coating Phase Studies, *Progress in Organic Coatings*, 2015

Ebrahim Ghasemi, Amir Masoud Arabi, Electrophoretic Deposition of Kaolin: Effects of Al/(Al+Si) Ratio, Surface Charge, Mineral, Structural and Morphological Properties, *Journal of Materials Science Materials in Electronics*, 2015

Bahram Ramezanzadeh, Ebrahim Ghasemi, Fatemeh Askari, Mohammad. Mahdavian, Synthesis and Characterization of a New Generation of Inhibitive Pigment Based on Zinc Acetate/ Benzotriazole: Solution Phase and Coating Phase Studies, *Dyes and Pigments*, 2015

B. Ramezanzadeh, Ebrahim Ghasemi, Mohammad Mahdavian, Elham Changizi, Characterization of Covalently-Grafted Polyisocyanate Chains onto Graphene Oxide for Polyurethane Composites with Improved Mechanical Properties, *Chemical Engineering Journal*, 2015

- A. Ghazi, Ebrahim Ghasemi, Mohammad. Mahdavian, Bahram Ramezanzadeh, Mehran. .42
Rostami, The Application of Benzimidazole and Zinc Cations Intercalated Sodium Montmorillonite
.as Smart Ion Exchange Inhibiting Pigments in The Epoxy Ester, Corrosion Science, 2015
- F. Askari, E. Ghasemi, B. Ramezanzadeh, M. Mahdavian, Mechanistic approach for evaluation of .43
corrosion inhibition of potassium Zinc phosphate pigment on the steel surface: Application of
.surface analysis and electrochemical techniques, Deys and Pigments, 2014
- Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, Sodium Zinc phosphate as a .44
.corrosion inhibition pigment, Progress in organic coatings, 2014
- Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, The influence of surface .45
modification of lithium Zinc phosphate pigment on corrosion inhibition of mild steel and
.adhesion strength of epoxy coating, Journal of Sol-Gel Science and Technology, 2014
- Eiman Alibakhshi, Ebrahim Ghasemi, Mohammad. Mahdavian, Corrosion inhibition by lithium .46
.zinc phosphate pigment, Corrosion Science, 2013
- Leyla Sharifi, Maryam Beyhaghi, Touradj Ebadzadeh, Ebrahim Ghasemi, Microwave-assisted .47
sol-gel synthesis of alpha alumina nanopowder and study of the rheological behavior, Ceramics
.International, 2013
- E. Alibakhshi, E. Ghasemi, M. Mahdavian, Optimization of potassium Zinc phosphate .48
.anticorrosion pigment by Taguchi experimental design, Progress in organic coating, 2013
- Masoud Hosseini, Ebrahim Ghasemi, Alireza Fazlali, Dale Henneke, The effect of nanoparticle .49
concentration on the rheological properties of paraffin based Co₃O₄ ferrofluids, Journal of
.Nanoparticle Research, 2012
- S. Jebelli Moeen M. R. Vaezi A. A. Yousefi E. Ghasemi, Synthesis and Rheological Properties .50
.of Nickel- Zinc Ferrite Polymer Nanocomposites, Journal of applied polymer science, 2011
- Ebrahim Ghasemi, Alireza Mirhabibi, M Edrissi, Magnetoviscous Effect in a Maghemite .51
.Ferrofluid, Journal of Nanoscience and Nanotechnology, 2011
- M. Edrissi, E. Ghasemi, Synthesis of lithopone Nanoparticles via Microemulsion Method Using .52
Designed Experiments, Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal
.Chemistry, 2010
- Masoud Hosseini, Alireza Fazlali, Ebrahim Ghasemi, Hassan Moghaddam, Rheological, .53
.properties of a γ -Fe₂O₃ paraffin-based ferrofluid, J. Magn. Magn. Materials, 2010
- Ghasemi E, Mirhabibi A, Edrissi M, Aghababazadeh R, Brydson RM., Study on the .54
.Magnetorheological Properties of Maghemite-Kerosene Ferrofluid, J Nanosci Nanotechnol, 2009
- Ebrahim Ghasemi, Alireza Mirhabibi, Mohammad Edrissi, Synthesis and rheological properties .55
.of an iron oxide ferrofluid, Journal of Magnetism and Magnetic Materials, 2008
- Touradj. Ebadzadeh, Ebrahim. Ghasemi, Effect of TiO₂ addition on stability of t-zro₂ in .56
.mullite-ZrO₂ composites prepared from various starting materials, Ceramics International, 2002
- Touradj. Ebadzadeh, Ebrahim. Ghasemi, Influence of starting materials on the reaction .57
sintering of mullite-ZrO₂ composites, Journal of Materials Science &&&
.Engineering, Vol. 2, No. 283, pp. 289-297, 2000