

# 유효종

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## 목차

- [1 학력](#)
- [2 경력](#)
- [3 학회활동](#)
- [4 수상](#)
- [5 주요연구분야](#)
- [6 특허](#)
  - [6.1 등록특허](#)
  - [6.2 출원특허](#)
- [7 논문](#)
- [8 저서](#)
- [9 국내외 학술발표](#)
- [10 언론활동](#)
  - [10.1 대외언론](#)

## 학력

- 2006. 08. 이학박사, 화학과, University of Pennsylvania, USA.
- 1998. 02. 이학석사, 화학과, 서울대학교
- 1996. 02. 이학사, 화학과, 연세대학교

## 경력

- 2019 현재 교수, 한양대학교 재료화학공학과 Department of Materials Science and Chemical Engineering, Hanyang University
- 2010 2019 조/부/교수, 한림대학교 화학과
- 2009 2010 Los Alamos National Laboratory, 박사후 연구원
- 2006 2009 Northwestern University, 박사후 연구원
- 1999 2001 공군사관학교 화학과, 전임강사

## 학회활동

- 2011 현재 한국실리콘학회 총무이사, 학술이사, 기획이사
- 2013 현재 한국공업화학회 영문지 편집위원, 편집이사
- 2014 현재 J. Ind. Eng. Chem, Editor (SCI급 Journal, IF = 5.278 (2019))
- 2019 2020 한국공업화학회 콜로이드계면화학 분과회 분과회장
- 2010 현재 대한화학회 회원, 재료화학분과 총무간사 (2015년)

## 수상

- 2020 '2020년 제12회 화학산업의 날' 기념식, 산업통상자원부장관 표창
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- 2019 한양대학교 제8회 [HYU RnD 우수 아이디어 발표회](#) 발표회 우수상
- 2019 한국공업화학회 학회발전상
- 2019 한림대학교 특훈교수 선정 (Hallym Distinguished Professor, 2019-2020)
- 2018 제12회 일송상
- 2016 2019 한국공업화학회 공로상
- 2015, 2016 한국공업화학회 감사패
- 2014, 2019 한국실리콘학회 공로상
- 2013 추계 대한화학회 동우화인켐(주) 우수 포스터상
- 2012 강원지방중소기업청장상 “2011년도 산학연 공동기술개발사업 우수과제”
- 2011 한림대학교 강의우수교수 표창장

## 주요연구분야

- Synthesis and Application of Functional Nano-Hybrid Materials
- Superb-molecular Chemistry (Inorganic Supramolecular Chemistry)
- Coordination Polymers and Silicon Materials
- Materials for Energy Technology, Sensor, Catalysis, Medical Application

## 특허

국내특허등록: 20건, 국내특허등록대기: 5건, 국제특허등록: 2건

## 등록특허

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- 유효종\*; Hien Duy Mai, "비등방성 귀금속 나노입자 코어-황화 코발트 셸 나노케이지, 그 제조방법 및 이를 포함하는 불균일성 촉매" 특허출원 10-2018-0105640 (2018. 09. 05)
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- 유효종\*; 박준성, "다중 금 나노닷 코어와 실리카 외각으로 이루어진 구형 나노입자 및 그 합성방법" 특허등록 10-1390657 (2014. 04. 24), 특허출원 10-2013-0018505 (2013. 02. 21)
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- 유효종\*; 박준성; 한웅태, "소수성 유기물질을 함유하는 이중층 실리카 나노입자 및 그 제조방법" 특허출원 10-2012-00035815 (2012. 04. 06)

## 논문

논문: 57건 (SCI(E) 53건, 비SCI(E): 4건)

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