

PHỤ LỤC

(Ban hành kèm theo Thông tư số 06/2020/TT-BGDĐT ngày 19 tháng 3 năm 2020 của Bộ trưởng Bộ Giáo dục và Đào tạo)

Mẫu số 03

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM Độc lập - Tự do - Hạnh phúc

LÝ LỊCH KHOA HỌC

(Dành cho ứng viên/thành viên các Hội đồng Giáo sư)



1. Thông tin chung

- Họ và tên: NGUYỄN ĐĂNG NAM
- Năm sinh: 18/06/1980
- Giới tính: Nam
- Trình độ đào tạo (TS, TSKH) (năm, nơi cấp bằng): Tiến sĩ, năm 2011, Đại học Sungkyunkwan – Hàn Quốc
- Chức danh Giáo sư hoặc Phó giáo sư (năm, nơi bổ nhiệm): Phó giáo sư, 2017, Đại học Duy Tân, Việt Nam

- Ngành, chuyên ngành khoa học: Luyện Kim
- Chức vụ và đơn vị công tác hiện tại (hoặc đã nghỉ hưu từ năm): Phó Viện Trưởng
- Chức vụ cao nhất đã qua: Trưởng phòng Đối ngoại và Khoa học Công nghệ
- Thành viên Hội đồng Giáo sư cơ sở (nếu có) (năm tham gia, tên hội đồng, cơ sở đào tạo): 2019, Hội đồng Giáo sư cơ sở Đại học Duy Tân, Đại học Duy Tân
- Thành viên Hội đồng Giáo sư ngành (nếu có) (năm tham gia, tên hội đồng, nhiệm kỳ): Năm 2019, Hội đồng Giáo sư ngành, liên ngành Luyện kim, nhiệm kỳ 2018-2023
- Thành viên Hội đồng Giáo sư nhà nước (nếu có) (năm tham gia, tên hội đồng, nhiệm kỳ): Không

2. Thành tích hoạt động đào tạo và nghiên cứu (thuộc chuyên ngành đang hoạt động)

2.1. Sách chuyên khảo, giáo trình

- Tổng số sách đã chủ biên: 0; sách chuyên khảo: 0; giáo trình: 0.
- Danh mục sách chuyên khảo, giáo trình trong 05 năm liền kề với thời điểm được bổ nhiệm thành viên Hội đồng gần đây nhất (tên tác giả, tên sách, nhà xuất bản, năm xuất bản, mã số ISBN, chỉ số trích dẫn).

2.2. Các bài báo khoa học được công bố trên các tạp chí khoa học

- a) Tổng số đã công bố: 09 bài báo tạp chí trong nước; 108 bài báo tạp chí quốc tế.
- b) Danh mục bài báo khoa học công bố trong 05 năm liền kề với thời điểm được bổ nhiệm thành viên Hội đồng gần đây nhất (*tên tác giả, tên công trình, tên tạp chí, năm công bố, chỉ số IF và chỉ số trích dẫn - nếu có*):

- Trong nước (2015-2020): 09 bài

1. NSH Vu, VTH Thu, DC Tai, **ND Nam**, An investigation on corrosion inhibitors for steel in ethanol fuel blend, *Vietnam Journal of Science and Technology* 56 (2018) 11-18 [IF: N/A; Citations: N/A]
2. **ND Nam**, PV Hien, A study on the localized corrosion inhibition for mild steel in saline solution, *Vietnam Journal of Science and Technology* 56 (2018) 174-183. [IF: N/A; Citations: N/A]
3. LT Dai, HT Anh, M Vaka, DT Ngan, **ND Nam**, An investigation of Aganoerion Polymorphum leaf extract as a copper working fluids' additive, *Vietnam Journal of Science and Technology* 55 (2017) 236-245. [IF: N/A; Citations: N/A]
4. DT Ngan, LT Dai, PMQ Binh, M Vaka, **ND Nam**, A study on praseodymium 4-hydroxycinnamate as an inhibitor for carbon steel in fresh cooling water system of Ca Mau fertilizer plant, *Vietnam Journal of Science and Technology* 55 (2017) 94-102. [IF: N/A; Citations: N/A]
5. TKN Hoi, ND Ho, M Vaka, **ND Nam**, Corrosion characterizations of carbon steel in Cai Tau river water system - Viet Nam, *Vietnam Journal of Science and Technology* 55 (2017) 66-77. [IF: N/A; Citations: N/A]
6. **ND Nam**, PV Hien, DTT Hang, A study on pitting corrosion of 316L stainless steel in NaCl solution containing vinegar, *Vietnam Journal of Science and Technology* 53 (2015) 107-113. [IF: N/A; Citations: N/A]
7. **ND Nam**, Effect of silicon content on the electrochemical properties of Al-Si alloy, *Vietnam Journal of Science and Technology* 53 (2015) 394-402. [IF: N/A; Citations: 2]
8. **ND Nam**, Corrosion protection of copper alloy using methylcyclohexane thin films, *Vietnam Journal of Science and Technology* 53 (2015) 465-473. [IF: N/A; Citations: N/A]
9. **ND Nam**, A study on the corrosion processes of eutectic Bi-42Sn solder alloy, *Vietnam Journal of Science and Technology* 53 (2015) 75-84. [IF: N/A; Citations: N/A]

- Quốc tế (2015-2020): 61 bài

1. Y Li, AM Abazari, MB Gerdroodbary, TD Manh, **ND Nam**, P Valipour, R Moradi, H Babazadeh, Three-dimensional DSMC simulation of thermal Knudsen force in micro gas actuator for mass analysis of gas mixture, *Measurement* (2020) In Press. [IF: 2.791; Citations: N/A]
2. A Shafee, MM Bhatti, T Muhammad, R Kumar, **ND Nam**, H Babazadeh, Simulation of convective MHD flow with inclusion of hybrid powders, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: N/A]
3. A Shafee, MS Shahraki, AH Taleghani, **ND Nam**, I Tlili, Analysis of nanomaterial flow among two circular tubes in the presence of magnetic force, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: N/A]
4. R Wang, A Shafee, M Shamlooei, **ND Nam**, I Tlili, Hybrid nanomaterial migration due to MHD within a tank, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: N/A]

5. C Sarkar, SC Shit, DQ Dao, J Lee, NH Tran, R Singuru, K An, **ND Nam**, PN Amaniampong, etc, Efficient hydrogenation catalytic model hosted in stable hypercrosslinked porous-organic-polymer: From fatty acids to bio-based alkanes diesel synthesis, *Green Chemistry* 22 (2020) 2049-2068. [IF: 9.405; Citations: N/A]
6. Z Li, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradi, H Babazadeh, Computational investigation of multi-cavity fuel injection on hydrogen mixing at supersonic combustion chamber, *International Journal of Hydrogen Energy* 45 (2020) 9077-9087. [IF: 4.084; Citations: N/A]
7. TNQ Trang, TB Phan, **ND Nam**, VTH Thu, In situ charge transfer at the Ag@ZnO photoelectrochemical interface toward the high photocatalytic performance of H₂ evolution and RhB degradation, *ACS Applied Materials & Interfaces* (2020) In press. [IF: 8.456; Citations: N/A]
8. Y Zheng, TD Manh, **ND Nam**, MB Gerdroodbary, R Moradi, I Tlili, Optimization of micro Knudsen gas sensor for high precision detection of SO₂ in natural gas, *Results in Physics* 16 (2020) 102933 [IF: 3.042; Citations: N/A]
9. Z Li, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradie, H Babazadeh, The influence of the wedge shock generator on the vortex structure within the trapezoidal cavity at supersonic flow, *Aerospace Science and Technology* 98 (2020) 105695 [IF: 2.829; Citations: 2]
10. F Pish, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradi, H Babazadeh, Computational study of the cavity flow over sharp nose cone in supersonic flow, *International Journal of Modern Physics C* (2020) In press [IF: 1.017; Citations: N/A]
11. Z Li, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradie, H Babazadeh, The effect of sinusoidal wall on hydrogen jet mixing rate considering supersonic flow, *Energy* 193 (2020) 116801. [IF: 5.537; Citations: 6]
12. G Tang, A Shafee, **ND Nam**, I Tlili, Coulomb forces impacts on nanomaterial transportation within porous tank with lid walls, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 2]
13. NQ Bau, **ND Nam**, NX Ca, NT Hien, manufacturing, The crack healing effect of scandium in aluminum alloys during laser additive manufacturing, *Journal of Manufacturing Processes* 50 (2020) 241-246 [IF: 3.462; Citations: N/A]
14. TD Manh, **ND Nam**, GK Abdulrahman, R Moradi, H Babazadeh, Alumina nanoparticle flow within a channel with permeable walls, *International Journal of Modern Physics C* 31 (2020) 2050050 [IF: 1.017; Citations: 2]
15. TD Manh, M Bahramkhoo, M Barzegar, **ND Nam**, I Tlili, Investigation of nanomaterial flow through non-parallel plates, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: 2]
16. TD Manh, **ND Nam**, GK Abdulrahman, MH Khan, I Tlili, A Shafee, M Shamlooei, TN Thoi, Investigation of hybrid nanofluid migration within a porous closed domain, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: 1]
17. A Shafee, A Firouzi, **ND Nam**, H Babazadeh, Elliptic cavity filled with hybrid nanomaterial under consideration of magnetic field, *International Journal of Modern Physics C* (2020) In press [IF: 1.017; Citations: 1]
18. A Shafee, M Jafaryar, E Abohamzeh, **ND Nam**, I Tlili, Simulation of thermal behavior of hybrid nanomaterial in a tube improved with turbulator, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: 4]
19. TD Manh, AR Khan, A Shafee, **ND Nam**, I Tlili, NT Trung, Z Li, Hybrid nanoparticles migration due to MHD free convection considering radiation effect, *Physica A:*

- Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: N/A]
20. TD Manh, **ND Nam**, K Jacob, A Hajizadeh, H Babazadeh, M Mahjoub, I Tlili, Z Li, Simulation of heat transfer in 2D porous tank in appearance of magnetic nanofluid, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: N/A]
 21. TD Manh, **ND Nam**, MB Gerdroodbary, H Babazadeh, R Moradi, Numerical simulation of mixing of hydrogen jet at supersonic cross flow in presence of upstream wavy wall, *International Journal of Hydrogen Energy* 45 (2020) 1096-1106. [IF: 4.084; Citations: 2]
 22. M Vaka, MZ Bian, **ND Nam**, Highly sensitive pressure sensor based on graphene hybrids, *Arabian Journal of Chemistry* 13 (2020) 1917-1923. [IF: 3.298; Citations: 2]
 23. TD Manh, FS Salehi, A Shafee, **ND Nam**, F Shakeriaski, H Babazadeh, A Vakkar, I Tlili, Role of magnetic force on the transportation of nanopowders including radiation, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 3]
 24. S Nallakukkala, V Sivabalan, B Lal, MC Ismail, **ND Nam**, Nonionic surfactants as corrosion inhibitors for carbon steel in hydrochloric acid medium, *Test Engineering and Management* 81 (2019) 5830-5835 [IF_{projected}: 0.024; Citations: N/A]
 25. SW Lee, TT Trinh, DP Pham, Duy Phong; SH Kim, YK Kim, JJ Park, **ND Nam**, DV Ai, YS Yi, In-situ process to form passivated tunneling oxides for front-surface field in rear-emitter silicon heterojunction solar cells, *ACS Sustainable Chemistry & Engineering* 7 (2019) 19332-19337 [IF: 6.970; Citations: N/A]
 26. TD Manh, **ND Nam**, GK Abdulrahman, A Shafee, M shamlooei, H Babazadeh, AK Jilani, I Tlili, Effect of radiative source term on the behavior of nanomaterial with considering Lorentz forces, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 11]
 27. TD Manh, **ND Nam**, GK Abdulrahman, R Moradi, H Babazadeh, Impact of MHD on hybrid nanomaterial free convective flow within a permeable region, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 15]
 28. LX Bach, DV Thuan, VTH Thu, PB Thang, NSH Vu, **ND Nam**, An investigation on titania multilayer coatings for enhanced corrosion resistance of carbon steel in simulated seawater by sol-gel dip coating, *Journal of Materials Research and Technology* 8 (2019) 6400-6406 [IF: 3.327; Citations: 2]
 29. PV Hien, NSH Vu, LX Bach, TN Quyen, DV Ai, **ND Nam**, Capability of aganonerion polymorphum leaf extract in protecting hydrochloric acid induced steel corrosion, *New Journal of Chemistry* 43 (2019) 15646 - 15658 [IF: 3.201; Citations: 5]
 30. **ND Nam**, PTP Thuy, DL Son, NT Nhan, PV Hien, Corrosion behaviors of hot extruded Al-xMg alloys, *Journal of Materials Research and Technology* 8 (2019) 5246-5253 [IF: 3.327; Citations: 4]
 31. TTT Thuy, A Padovan, K Kannoorpatti, S Thennadil, **ND Nam**, Effect of nickel on the adhesion and corrosion properties of Pseudomonas Aeruginosa on stainless steel, *Journal of Materials Engineering and Performance* 28 (2019) 5797-5805 [IF: 1.476; Citations: 2]
 32. TD Manh, DD Tuan, PV Hien, **ND Nam**, Protective film formation on steel surface in naturally-aerated chloride solution by a gadolinium 4-hydroxycinnamate compound, *Journal of the Taiwan Institute of Chemical Engineers* 103 (2019) 177-189 [IF: 3.834; Citations: 2]
 33. L Pham, LH Dang, MD Truong, TH Nguyen, L Le, VT Le, **ND Nam**, LG Bach, VT Nguyen, NQ Tran, A dual synergistic of curcumin and gelatin on thermal-responsive hydrogel based on Chitosan-P123 in wound healing application, *Biomedicine &*

- Pharmacotherapy* 117 (2019) 109183 [IF: 3.743; Citations: 4]
34. TNQ Trang, LTN Tu, TV Man, M Mathesh, VTH Thu, **ND Nam**, A high-efficiency photoelectrochemistry of Cu₂O/TiO₂ nanotubes for hydrogen evolution under sunlight, *Composites Part B: Engineering* 174 (2019) 106969 [IF: 6.864; Citations: 4]
 35. DT Nguyen, LH Dang, VT Dinh, **ND Nam**, BL Giang, CT Nguyen, VM Thanh, LV Thu, QN Tran, Dual interactions of amphiphilic gelatin copolymer and nanocurcumin enhancing the loading efficiency of the nanogels, *Polymers* 11 (2019) 1-15 [IF: 3.164; Citations: 7]
 36. NT Hoai, PV Hien, TV Man, MD Tri, **ND Nam**, Formation of Hibiscus sabdariffa leaf extract film on steel to protect against corrosion in hydrochloric acid solution, *Chemical Papers* 73 (2019) 909-925 [IF: 1.246; Citations: 4]
 37. QB Nguyen, **ND Nam**, R Murray, NX Cac, YH Lim, M Gupta, XC Nguyen, The role of abrasive particle size on erosion characteristics of stainless steel, *Engineering Failure Analysis* 97 (2019) 844-853 [IF: 2.203; Citations: 2]
 38. NSH Vu, PV Hien, M. Mathesh, VTH Thu, **ND Nam**, Titania nanoparticles impregnated with complex organic molecules' adsorption on steel surface in ethanol fuel blend, *ACS Omega* 4 (2019) 146-158 [IF: 2.584; Citations: 6]
 39. TD Manh, **ND Nam**, GK Abdulrahman, R Moradi, H Babazadeh, The influence of Hybrid nanoparticles (Fe₃O₄+ MWCNT) transportation on natural convection inside porous domain, *International Journal of Modern Physics C* (2019) In press [IF: 1.017; Citations: 3]
 40. LX Bach, DL Son, MT Phong, LV Thang, MZ Bian, **ND Nam**, A study on Mg and AlN composite in microstructural and electrochemical characterizations of extruded aluminum alloy, *Composites Part B: Engineering* 156 (2019) 332-343 [IF: 6.864; Citations: 6]
 41. **ND Nam**, PTN Ha, HT Anh, Role of hydroxyl group in cerium hydroxycinnamate on corrosion inhibition of mild steel in 0.6 M NaCl solution, *Journal of Saudi Chemical Society* 23 (2019) 30-42. [IF: 2.759; Citations: 10]
 42. BX Vuong, NSH Vu, TD Manh, M Vaka, DX Du, **ND Nam**, Role of cerium in microstructure and corrosion properties of Sn-1.0Ag solder alloys, *Materials Letters* 228 (2018) 309-313. [IF: 3.019; Citations: 8]
 43. NT Hoai, TTY Ngoc, **ND Nam**, TT Thuy, CTT Trang, ND Hai, TK Nguyen, Effect of β-alanine on the preparation of 4-ethoxy-cinnamic acid, *The Open Materials Science Journal* 12 (2018) 58-67. [IF: N/A; Citations: N/A]
 44. **ND Nam**, PV Hien, NT Hoai, VTH Thu, A study on the mixed corrosion inhibitor with a dominant cathodic inhibitor for mild steel in aqueous chloride solution, *Journal of the Taiwan Institute of Chemical Engineers* 91 (2018) 556-569. [IF: 3.834; Citations: 16]
 45. **ND Nam**, C. Panaitescu, M.Y.J. Tan, M. Forsyth, B. Hinton, An interaction between praseodymium 4-hydroxycinnamate with as1020 and x65 steel microstructures in carbon dioxide environment, *Journal of The Electrochemical Society* 165 (2018) C50-C59 [IF: 3.120; Citations: 9]
 46. NSH Vu, PV Hien, TV Man, VTH Thu, MD Tri, **ND Nam**, A study on corrosion inhibitor for mild steel in ethanol fuel blend, *Materials* 11 (2018) 1-12. [IF: 2.972; Citations: 8]
 47. TT Pham, **ND Nam**, S Robert, Surface morphology, structural and electronic properties of graphene on Ge(111) via direct deposition of solid-state carbon atoms, *Thin Solid Films* 639 (2017) 84-90. [IF: 1.888; Citations: 6]
 48. BX Vuong, HT Anh, NT Nhan, HHM Xuan, **ND Nam**, Influence of the friction stir

- welding-traveling speed on the corrosion properties of Mg-5Al alloy, *Journal of Materials Engineering and Performance* (2017) 26 (2017) 3676-3685. [IF: 1.476; Citations: 5]
49. TNT Le, NQT Ton, VM Tran, **ND Nam**, THT Vu, TiO₂ nanotubes with different Ag loading to enhance visible-light photocatalytic activity, *Journal of Nanomaterials* 2017 (2017) Article ID 6092195, 1-7. [IF: 2.207; Citations: 9]
 50. PV Hien, NSH Vu, VTH Thu, A Somers, **ND Nam**, Study of yttrium 4-nitrocinnamate to promote surface interactions with AS1020 steel, *Applied Surface Science* 711 (2017) 215-221. [IF: 5.155; Citations: 11]
 51. **ND Nam**, MZ Bian, Improvement of mechanical properties and saline corrosion resistance of extruded Mg-8Gd-4Y-0.5 Zr by alloying with 2 wt.% Zn, *Journal of Alloys and Compounds* 412 (2017) 464-474. [IF: 4.175; Citations: 5]
 52. **ND Nam**, TV Hung, DT Ngan, NLT Hung, TKN Hoi, Film formation in Y(4NO₂Cin)₃ compound on 6061 aluminum alloy to protect against corrosion in chloride ion media, *Journal of the Taiwan Institute of Chemical Engineers* 67 (2016) 495-504. [IF: 3.834; Citations: 11]
 53. **ND Nam**, VQ Thang, NT Hoai, P Van Hien, Yttrium 3-(4-nitrophenyl)-2-propenoate used as inhibitor against copper alloy corrosion in 0.1 M NaCl solution, *Corrosion Science* 112 (2016) 451-461. [IF: 6.355; Citations: 25]
 54. L Li, W Jie, W Yuanzhi, **ND Nam**, Effect of Static Annealing on Microstructure and Texture in Extruded Mg-Gd-Y-Zr Alloy, *Rare Metal Materials and Engineering* 45 (2016) 2263-2268. [IF: 0.381; Citations: 2]
 55. N Kong, M Vaka, **ND Nam**, CJ Barrow, J Liu, XA Conlan, W Yang, Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes, *Electrochimica Acta* 210 (2016) 539-547. [IF: 5.383; Citations: 2]
 56. **ND Nam**, LT Dai, M Mathesh, MZ Bian, VTH Thu, Role of friction stir welding–Traveling speed in enhancing the corrosion resistance of aluminum alloy, *Materials Chemistry and Physics* 173 (2016) 7-11. [IF: 2.781; Citations: 24]
 57. L Li, **ND Nam**, Effect of yttrium on corrosion behavior of extruded AZ61 Mg alloy, *Journal of Magnesium and Alloys* 4 (2016) 44-51. [IF: 4.742; Citations: 16]
 58. **ND Nam**, Role of zinc in enhancing the corrosion resistance of Mg-5Ca alloys, *Journal of The Electrochemical Society* 163 (2016) C76-C84. [IF: 3.120; Citations: 11]
 59. **ND Nam**, VTH Thu, NTT To, Effect of tin on the corrosion of Mg-5Al based alloy in 3.5 wt.% NaCl solution, *Int. J. Metall. Mater. Eng.* 1 (2015) 118-1-9. [IF: N/A; Citations: 3]
 60. MZ Bian, A Tripathi, H Yu, **ND Nam**, LM Yan, Effect of aluminum content on the texture and mechanical behavior of Mg-1 wt.% Mn wrought magnesium alloys, *Materials Science and Engineering: A* 639 (2015) 320-326. [IF: 4.081; Citations: 15]
 61. DV Phuong, ZJ Kuo, Z Li, **ND Nam**, ZC Rong, S Jian, Modeling and simulation of P-Aloha, CSMA/CA and MACAW protocols for underwater acoustic channel, *Journal of Donghua University* 32 (2015) 35-40. [IF: N/A; Citations: 2]

2.3. Các nhiệm vụ khoa học và công nghệ (chương trình và đề tài tương đương cấp Bộ trở lên)

a) Tổng số chương trình, đề tài đã chủ trì/chủ nhiệm: 01 cấp Nhà nước; 01 cấp Bộ và tương đương.

b) Danh mục đề tài tham gia đã được nghiệm thu trong 05 năm liền kề với thời điểm được bổ nhiệm thành viên Hội đồng gần đây nhất (*tên đề tài, mã số, thời gian thực hiện, cấp quản lý đề tài, trách nhiệm tham gia trong đề tài*):

- i) Phát triển hợp kim Mg-5Al-M (M nguyên tố kim loại) chống ăn mòn cục bộ bằng phương pháp đúc áp lực, GV1911, 2019-2020, Trường Đại học Dầu khí Việt Nam, Đồng Chủ nhiệm đề tài;
- ii) Phân tích khả năng ức chế và hiệp trợ ức chế ăn mòn của đất sét ở kích thước nano, 104.06-2016.08, 2017-2019, Quỹ Phát triển khoa học và công nghệ Quốc gia, Chủ nhiệm đề tài;
- iii) Nghiên cứu và phát triển phụ gia chống ăn mòn cho xăng sinh học, Quyết định 780/QĐ-SKHCHN và Hợp đồng 136/2017/HĐ-SKHCHN, 2017-2019, Sở Khoa học và Công nghệ Thành phố Hồ Chí Minh, Chủ nhiệm đề tài;
- iv) Đánh giá hiệu suất ức chế ăn mòn của cao chiết xuất từ lá cây cho thép cacbon trong môi trường axit clohydric 0,1 M, GV1803, 2018-2019, Trường Đại học Dầu khí Việt Nam, Đồng Chủ nhiệm đề tài;
- v) Đánh giá tương tác của hợp chất kim loại hiếm - cinnamate với thép AS1020 và X65 trong dung dịch NaCl 0,01 M sục khí CO₂ bão hòa, GV1701, 2017-2018, Trường Đại học Dầu khí Việt Nam, Chủ nhiệm đề tài;
- vi) Tổng hợp và đánh giá tính ức chế ăn mòn của yttrium nitrocinnamate trong môi trường chứa ion clorua, GV1601, 2016-2017, Trường Đại học Dầu khí Việt Nam, Chủ nhiệm đề tài;
- vii) Đánh giá tính chất điện hóa của mối hàn trong phương pháp hàn ma sát, GV1505, 2015-2016, Trường Đại học Dầu khí Việt Nam, Chủ nhiệm đề tài.

2.4. Công trình khoa học khác (nếu có)

- a) Tổng số công trình khoa học khác:
- Tổng số có: 01 sáng chế, giải pháp hữu ích
 - Tổng số có: tác phẩm nghệ thuật
 - Tổng số có: thành tích huấn luyện, thi đấu

b) Danh mục bằng độc quyền sáng chế, giải pháp hữu ích, tác phẩm nghệ thuật, thành tích huấn luyện, thi đấu trong 5 năm trở lại đây (*tên tác giả, tên công trình, số hiệu văn bằng, tên cơ quan cấp*):

- DJ Kim, SM Park, **ND Nam**, NE Lee, JG Kim, Transparent organic/inorganic barrier coating layer forming method, Korean Patent, 10-0818884, Hàn Quốc.

2.5. Hướng dẫn nghiên cứu sinh (NCS) đã có quyết định cấp bằng tiến sĩ

- a) Tổng số: 01 NCS đã hướng dẫn chính

b) Danh sách NCS hướng dẫn thành công trong 05 năm liền kề với thời điểm được bổ nhiệm thành viên Hội đồng gần đây nhất (*Họ và tên NCS, đề tài luận án, cơ sở đào tạo, năm bảo vệ thành công, vai trò hướng dẫn*): 0

3. Các thông tin khác

3.1. Danh mục các công trình khoa học chính trong cả quá trình (*Bài báo khoa học, sách chuyên khảo, giáo trình, sáng chế, giải pháp hữu ích, tác phẩm nghệ thuật, thành tích huấn luyện, thi đấu...; khi liệt kê công trình, có thể thêm chú dẫn về phân loại tạp chí, thông tin trích dẫn...*):

1. Y Li, AM Abazari, MB Gerdroodbary, TD Manh, **ND Nam**, P Valipour, R Moradi, H Babazadeh, Three-dimensional DSMC simulation of thermal Knudsen force in micro gas actuator for mass analysis of gas mixture, *Measurement* (2020) In Press. [IF: 2.791; Citations: N/A]
2. A Shafee, MM Bhatti, T Muhammad, R Kumar, **ND Nam**, H Babazadeh, Simulation of convective MHD flow with inclusion of hybrid powders, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: N/A]
3. A Shafee, MS Shahraki, AH Taleghani, **ND Nam**, I Tlili, Analysis of nanomaterial flow among two circular tubes in the presence of magnetic force, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: N/A]
4. R Wang, A Shafee, M Shamlooei, **ND Nam**, I Tlili, Hybrid nanomaterial migration due to MHD within a tank, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: N/A]
5. C Sarkar, SC Shit, DQ Dao, J Lee, NH Tran, R Singuru, K An, **ND Nam**, PN Amaniampong, etc, Efficient hydrogenation catalytic model hosted in stable hyper-crosslinked porous-organic-polymer: From fatty acids to bio-based alkanes diesel synthesis, *Green Chemistry* 22 (2020) 2049-2068. [IF: 9.405; Citations: N/A]
6. Z Li, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradi, H Babazadeh, Computational investigation of multi-cavity fuel injection on hydrogen mixing at supersonic combustion chamber, *International Journal of Hydrogen Energy* 45 (2020) 9077-9087. [IF: 4.084; Citations: N/A]
7. TNQ Trang, TB Phan, **ND Nam**, VTH Thu, In situ charge transfer at the Ag@ZnO photoelectrochemical interface toward the high photocatalytic performance of H₂ evolution and RhB degradation, *ACS Applied Materials & Interfaces* (2020) In press. [IF: 8.456; Citations: N/A]
8. Y Zheng, TD Manh, **ND Nam**, MB Gerdroodbary, R Moradi, I Tlili, Optimization of micro Knudsen gas sensor for high precision detection of SO₂ in natural gas, *Results in Physics* 16 (2020) 102933 [IF: 3.042; Citations: N/A]
9. Z Li, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradie, H Babazadeh, The influence of the wedge shock generator on the vortex structure within the trapezoidal cavity at supersonic flow, *Aerospace Science and Technology* 98 (2020) 105695 [IF: 2.829; Citations: 2]
10. F Pish, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradi, H Babazadeh, Computational study of the cavity flow over sharp nose cone in supersonic flow, *International Journal of Modern Physics C* (2020) In press [IF: 1.017; Citations: N/A]
11. Z Li, TD Manh, MB Gerdroodbary, **ND Nam**, R Moradie, H Babazadeh, The effect of sinusoidal wall on hydrogen jet mixing rate considering supersonic flow, *Energy* 193 (2020) 116801. [IF: 5.537; Citations: 6]
12. G Tang, A Shafee, **ND Nam**, I Tlili, Coulomb forces impacts on nanomaterial

- transportation within porous tank with lid walls, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 2]
13. NQ Bau, **ND Nam**, NX Ca, NT Hien, manufacturing, The crack healing effect of scandium in aluminum alloys during laser additive manufacturing, *Journal of Manufacturing Processes* 50 (2020) 241-246 [IF: 3.462; Citations: N/A]
 14. TD Manh, **ND Nam**, GK Abdulrahman, R Moradi, H Babazadeh, Alumina nanoparticle flow within a channel with permeable walls, *International Journal of Modern Physics C* 31 (2020) 2050050 [IF: 1.017; Citations: 2]
 15. TD Manh, M Bahramkhoo, M Barzegar, **ND Nam**, I Tlili, Investigation of nanomaterial flow through non-parallel plates, *Journal of Thermal Analysis and Calorimetry* (2020) In press [IF: 2.471; Citations: 2]
 16. TD Manh, **ND Nam**, GK Abdulrahman, MH Khan, I Tlili, A Shafee, M Shamlooei, TN Thoi, Investigation of hybrid nanofluid migration within a porous closed domain, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: 1]
 17. A Shafee, A Firouzi, **ND Nam**, H Babazadeh, Elliptic cavity filled with hybrid nanomaterial under consideration of magnetic field, *International Journal of Modern Physics C* (2020) In press [IF: 1.017; Citations: 1]
 18. A Shafee, M Jafaryar, E Abohamzeh, **ND Nam**, I Tlili, Simulation of thermal behavior of hybrid nanomaterial in a tube improved with turbulator, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: 4]
 19. TD Manh, AR Khan, A Shafee, **ND Nam**, I Tlili, NT Trung, Z Li, Hybrid nanoparticles migration due to MHD free convection considering radiation effect, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: N/A]
 20. TD Manh, **ND Nam**, K Jacob, A Hajizadeh, H Babazadeh, M Mahjoub, I Tlili, Z Li, Simulation of heat transfer in 2D porous tank in appearance of magnetic nanofluid, *Physica A: Statistical Mechanics and its Applications* (2020) In press [IF: 2.500; Citations: N/A]
 21. TD Manh, **ND Nam**, MB Gerdroodbary, H Babazadeh, R Moradi, Numerical simulation of mixing of hydrogen jet at supersonic cross flow in presence of upstream wavy wall, *International Journal of Hydrogen Energy* 45 (2020) 1096-1106. [IF: 4.084; Citations: 2]
 22. M Vaka, MZ Bian, **ND Nam**, Highly sensitive pressure sensor based on graphene hybrids, *Arabian Journal of Chemistry* 13 (2020) 1917-1923. [IF: 3.298; Citations: 2]
 23. TD Manh, FS Salehi, A Shafee, **ND Nam**, F Shakeriaski, H Babazadeh, A Vakkar, I Tlili, Role of magnetic force on the transportation of nanopowders including radiation, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 3]
 24. S Nallakukkala, V Sivabalan, B Lal, MC Ismail, **ND Nam**, Nonionic surfactants as corrosion inhibitors for carbon steel in hydrochloric acid medium, *Test Engineering and Management* 81 (2019) 5830-5835 [IF_{projected}: 0.024; Citations: N/A]
 25. SW Lee, TT Trinh, DP Pham, Duy Phong; SH Kim, YK Kim, JJ Park, **ND Nam**, DV Ai, YS Yi, In-situ process to form passivated tunneling oxides for front-surface field in rear-emitter silicon heterojunction solar cells, *ACS Sustainable Chemistry & Engineering* 7 (2019) 19332-19337 [IF: 6.970; Citations: N/A]
 26. TD Manh, **ND Nam**, GK Abdulrahman, A Shafee, M shamlooei, H Babazadeh, AK Jilani, I Tlili, Effect of radiative source term on the behavior of nanomaterial with considering Lorentz forces, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 11]
 27. TD Manh, **ND Nam**, GK Abdulrahman, R Moradi, H Babazadeh, Impact of MHD on

- hybrid nanomaterial free convective flow within a permeable region, *Journal of Thermal Analysis and Calorimetry* (2019) In press [IF: 2.471; Citations: 15]
28. LX Bach, DV Thuan, VTH Thu, PB Thang, NSH Vu, **ND Nam**, An investigation on titania multilayer coatings for enhanced corrosion resistance of carbon steel in simulated seawater by sol-gel dip coating, *Journal of Materials Research and Technology* 8 (2019) 6400-6406 [IF: 3.327; Citations: 2]
 29. PV Hien, NSH Vu, LX Bach, TN Quyen, DV Ai, **ND Nam**, Capability of aganonerion polymorphum leaf extract in protecting hydrochloric acid induced steel corrosion, *New Journal of Chemistry* 43 (2019) 15646 - 15658 [IF: 3.201; Citations: 5]
 30. **ND Nam**, PTP Thuy, DL Son, NT Nhan, PV Hien, Corrosion behaviors of hot extruded Al-xMg alloys, *Journal of Materials Research and Technology* 8 (2019) 5246-5253 [IF: 3.327; Citations: 4]
 31. TTT Thuy, A Padovan, K Kannoopatti, S Thennadil, **ND Nam**, Effect of nickel on the adhesion and corrosion properties of Pseudomonas Aeruginosa on stainless steel, *Journal of Materials Engineering and Performance* 28 (2019) 5797-5805 [IF: 1.476; Citations: 2]
 32. TD Manh, DD Tuan, PV Hien, **ND Nam**, Protective film formation on steel surface in naturally-aerated chloride solution by a gadolinium 4-hydroxycinnamate compound, *Journal of the Taiwan Institute of Chemical Engineers* 103 (2019) 177-189 [IF: 3.834; Citations: 2]
 33. L Pham, LH Dang, MD Truong, TH Nguyen, L Le, VT Le, **ND Nam**, LG Bach, VT Nguyen, NQ Tran, A dual synergistic of curcumin and gelatin on thermal-responsive hydrogel based on Chitosan-P123 in wound healing application, *Biomedicine & Pharmacotherapy* 117 (2019) 109183 [IF: 3.743; Citations: 4]
 34. TNQ Trang, LTN Tu, TV Man, M Mathesh, VTH Thu, **ND Nam**, A high-efficiency photoelectrochemistry of Cu₂O/TiO₂ nanotubes for hydrogen evolution under sunlight, *Composites Part B: Engineering* 174 (2019) 106969 [IF: 6.864; Citations: 4]
 35. DT Nguyen, LH Dang, VT Dinh, **ND Nam**, BL Giang, CT Nguyen, VM Thanh, LV Thu, QN Tran, Dual interactions of amphiphilic gelatin copolymer and nanocurcumin enhancing the loading efficiency of the nanogels, *Polymers* 11 (2019) 1-15 [IF: 3.164; Citations: 7]
 36. NT Hoai, PV Hien, TV Man, MD Tri, **ND Nam**, Formation of Hibiscus sabdariffa leaf extract film on steel to protect against corrosion in hydrochloric acid solution, *Chemical Papers* 73 (2019) 909-925 [IF: 1.246; Citations: 4]
 37. QB Nguyen, **ND Nam**, R Murray, NX Cac, YH Lim, M Gupta, XC Nguyen, The role of abrasive particle size on erosion characteristics of stainless steel, *Engineering Failure Analysis* 97 (2019) 844-853 [IF: 2.203; Citations: 2]
 38. NSH Vu, PV Hien, M. Mathesh, VTH Thu, **ND Nam**, Titania nanoparticles impregnated with complex organic molecules' adsorption on steel surface in ethanol fuel blend, *ACS Omega* 4 (2019) 146-158 [IF: 2.584; Citations: 6]
 39. TD Manh, **ND Nam**, GK Abdulrahman, R Moradi, H Babazadeh, The influence of Hybrid nanoparticles (Fe₃O₄+ MWCNT) transportation on natural convection inside porous domain, *International Journal of Modern Physics C* (2019) In press [IF: 1.017; Citations: 3]
 40. LX Bach, DL Son, MT Phong, LV Thang, MZ Bian, **ND Nam**, A study on Mg and AlN composite in microstructural and electrochemical characterizations of extruded aluminum alloy, *Composites Part B: Engineering* 156 (2019) 332-343 [IF: 6.864; Citations: 6]
 41. **ND Nam**, PTN Ha, HT Anh, Role of hydroxyl group in cerium hydroxycinnamate on

- corrosion inhibition of mild steel in 0.6 M NaCl solution, *Journal of Saudi Chemical Society* 23 (2019) 30-42. [IF: 2.759; Citations: 10]
42. NSH Vu, VTH Thu, DC Tai, **ND Nam**, An investigation on corrosion inhibitors for steel in ethanol fuel blend, *Vietnam Journal of Science and Technology* 56 (2018) 11-18 [IF: N/A; Citations: N/A]
 43. BX Vuong, NSH Vu, TD Manh, M Vaka, DX Du, **ND Nam**, Role of cerium in microstructure and corrosion properties of Sn-1.0Ag solder alloys, *Materials Letters* 228 (2018) 309-313. [IF: 3.019; Citations: 8]
 44. NT Hoai, TTY Ngoc, **ND Nam**, TT Thuy, CTT Trang, ND Hai, TK Nguyen, Effect of β -alanine on the preparation of 4-ethoxy-cinnamic acid, *The Open Materials Science Journal* 12 (2018) 58-67. [IF: N/A; Citations: N/A]
 45. **ND Nam**, PV Hien, NT Hoai, VTH Thu, A study on the mixed corrosion inhibitor with a dominant cathodic inhibitor for mild steel in aqueous chloride solution, *Journal of the Taiwan Institute of Chemical Engineers* 91 (2018) 556-569. [IF: 3.834; Citations: 16]
 46. **ND Nam**, PV Hien, A study on the localized corrosion inhibition for mild steel in saline solution, *Vietnam Journal of Science and Technology* 56 (2018) 174-183. [IF: N/A; Citations: N/A]
 47. **ND Nam**, C. Panaitescu, M.Y.J. Tan, M. Forsyth, B. Hinton, An interaction between praseodymium 4-hydroxycinnamate with as1020 and x65 steel microstructures in carbon dioxide environment, *Journal of The Electrochemical Society* 165 (2018) C50-C59 [IF: 3.120; Citations: 9]
 48. NSH Vu, PV Hien, TV Man, VTH Thu, MD Tri, **ND Nam**, A study on corrosion inhibitor for mild steel in ethanol fuel blend, *Materials* 11 (2018) 1-12. [IF: 2.972; Citations: 8]
 49. LT Dai, HT Anh, M Vaka, DT Ngan, **ND Nam**, An investigation of Aganoerion Polymorphum leaf extract as a copper working fluids' additive, *Vietnam Journal of Science and Technology* 55 (2017) 236-245. [IF: N/A; Citations: N/A]
 50. DT Ngan, LT Dai, PMQ Binh, M Vaka, **ND Nam**, A study on praseodymium 4-hydroxycinnamate as an inhibitor for carbon steel in fresh cooling water system of Ca Mau fertilizer plant, *Vietnam Journal of Science and Technology* 55 (2017) 94-102. [IF: N/A; Citations: N/A]
 51. TKN Hoi, ND Ho, M Vaka, **ND Nam**, Corrosion characterizations of carbon steel in Cai Tau river water system - Viet Nam, *Vietnam Journal of Science and Technology* 55 (2017) 66-77. [IF: N/A; Citations: N/A]
 52. TT Pham, **ND Nam**, S Robert, Surface morphology, structural and electronic properties of graphene on Ge(111) via direct deposition of solid-state carbon atoms, *Thin Solid Films* 639 (2017) 84-90. [IF: 1.888; Citations: 6]
 53. BX Vuong, HT Anh, NT Nhan, HHM Xuan, **ND Nam**, Influence of the friction stir welding-traveling speed on the corrosion properties of Mg-5Al alloy, *Journal of Materials Engineering and Performance* (2017) 26 (2017) 3676-3685. [IF: 1.476; Citations: 5]
 54. TNT Le, NQT Ton, VM Tran, **ND Nam**, THT Vu, TiO₂ nanotubes with different Ag loading to enhance visible-light photocatalytic activity, *Journal of Nanomaterials* 2017 (2017) Article ID 6092195, 1-7. [IF: 2.207; Citations: 9]
 55. PV Hien, NSH Vu, VTH Thu, A Somers, **ND Nam**, Study of yttrium 4-nitrocinnamate to promote surface interactions with AS1020 steel, *Applied Surface Science* 711 (2017) 215-221. [IF: 5.155; Citations: 11]
 56. **ND Nam**, MZ Bian, Improvement of mechanical properties and saline corrosion

- resistance of extruded Mg-8Gd-4Y-0.5 Zr by alloying with 2 wt.% Zn, *Journal of Alloys and Compounds* 412 (2017) 464-474. [IF: 4.175; Citations:5]
57. **ND Nam**, TV Hung, DT Ngan, NLT Hung, TKN Hoi, Film formation in $Y(4NO_2Cin)_3$ compound on 6061 aluminum alloy to protect against corrosion in chloride ion media, *Journal of the Taiwan Institute of Chemical Engineers* 67 (2016) 495-504. [IF: 3.834; Citations: 11]
 58. **ND Nam**, VQ Thang, NT Hoai, P Van Hien, Yttrium 3-(4-nitrophenyl)-2-propenoate used as inhibitor against copper alloy corrosion in 0.1 M NaCl solution, *Corrosion Science* 112 (2016) 451-461. [IF: 6.355; Citations: 25]
 59. L Li, W Jie, W Yuanzhi, **ND Nam**, Effect of Static Annealing on Microstructure and Texture in Extruded Mg-Gd-Y-Zr Alloy, *Rare Metal Materials and Engineering* 45 (2016) 2263-2268. [IF: 0.381; Citations: 2]
 60. N Kong, M Vaka, **ND Nam**, CJ Barrow, J Liu, XA Conlan, W Yang, Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes, *Electrochimica Acta* 210 (2016) 539-547. [IF: 5.383; Citations: 2]
 61. **ND Nam**, LT Dai, M Mathesh, MZ Bian, VTH Thu, Role of friction stir welding–Traveling speed in enhancing the corrosion resistance of aluminum alloy, *Materials Chemistry and Physics* 173 (2016) 7-11. [IF: 2.781; Citations: 24]
 62. L Li, **ND Nam**, Effect of yttrium on corrosion behavior of extruded AZ61 Mg alloy, *Journal of Magnesium and Alloys* 4 (2016) 44-51. [IF: 4.742; Citations: 16]
 63. **ND Nam**, Role of zinc in enhancing the corrosion resistance of Mg-5Ca alloys, *Journal of The Electrochemical Society* 163 (2016) C76-C84. [IF: 3.120; Citations: 11]
 64. **ND Nam**, PV Hien, DTT Hang, A study on pitting corrosion of 316L stainless steel in NaCl solution containing vinegar, *Vietnam Journal of Science and Technology* 53 (2015) 107-113. [IF: N/A; Citations: N/A]
 65. **ND Nam**, Effect of silicon content on the electrochemical properties of Al-Si alloy, *Vietnam Journal of Science and Technology* 53 (2015) 394-402. [IF: N/A; Citations: 2]
 66. **ND Nam**, Corrosion protection of copper alloy using methylcyclohexane thin films, *Vietnam Journal of Science and Technology* 53 (2015) 465-473. [IF: N/A; Citations: N/A]
 67. **ND Nam**, VTH Thu, NTT To, Effect of tin on the corrosion of Mg-5Al based alloy in 3.5 wt.% NaCl solution, *Int. J. Metall. Mater. Eng.* 1 (2015) 118-1-9. [IF: N/A; Citations: 3]
 68. MZ Bian, A Tripathi, H Yu, **ND Nam**, LM Yan, Effect of aluminum content on the texture and mechanical behavior of Mg-1 wt.% Mn wrought magnesium alloys, *Materials Science and Engineering: A* 639 (2015) 320-326. [IF: 4.081; Citations: 15]
 69. DV Phuong, ZJ Kuo, Z Li, **ND Nam**, ZC Rong, S Jian, Modeling and simulation of P-Aloha, CSMA/CA and MACAW protocols for underwater acoustic channel, *Journal of Donghua University* 32 (2015) 35-40. [IF: N/A; Citations: 2]
 70. **ND Nam**, A study on the corrosion processes of eutectic Bi-42Sn solder alloy, *Vietnam Journal of Science and Technology* 53 (2015) 75-84. [IF: N/A; Citations: N/A]
 71. **ND Nam**, M Mathesh, TV Le, HT Nguyen, Corrosion behavior of Mg-5Al-xZn alloys in 3.5 wt.% NaCl solution, *Journal of Alloys and Compounds* 616 (2014) 662-668. [IF: 4.175; Citations: 21]
 72. **ND Nam**, M Mathesh, B Hinton, MJY Tan, M Forsyth, Rare earth 4-hydroxycinnamate compounds as novel carbon dioxide corrosion inhibitors for steel

- in sodium chloride solution, *Journal of The Electrochemical Society* 161 (2014) C527-C534 [IF: 3.120; Citations: 33]
73. **ND Nam**, M Vaka, NT Hung, Corrosion behavior of TiN, TiAlN, TiAlSiN-coated 316L stainless steel in simulated proton exchange membrane fuel cell environment, *Journal of Power Sources* 268 (2014) 240-245. [IF: 7.467; Citations: 43]
 74. **ND Nam**, QV Bui, HT Nhan, DV Phuong, MZ Bian, Effect of Pd Interlayer on Electrochemical Properties of ENIG Surface Finish in 3.5 wt.% NaCl Solution, *Journal of Electronic Materials* 43 (2014) 3307-3316. [IF: 1.676; Citations: 5]
 75. **ND Nam**, Corrosion behavior of Mg-5Al based magnesium alloy with 1 wt.% Sn, Mn and Zn additions in 3.5 wt.% NaCl solution, *Journal of Magnesium Alloys* 2 (2014) 190-195. [IF: 4.742; Citations: 21]
 76. **ND Nam**, DY Lee, JG Kim, NJ Park, Effect of Cold Rolling on Corrosion Properties of Low Alloy Steel in an Acid-Chloride Solution, *Metal and Materials International* 20 (2014) 469-474. [IF: 1.647; Citations: 14]
 77. **ND Nam**, A Somers, M Mathesh, M Seter, B Hinton, MYJ Tan, M Forsyth, The behaviour of praseodymium 4-hydroxycinnamate as an inhibitor for carbon dioxide corrosion and oxygen corrosion of steel in NaCl solutions, *Corrosion Science* 80 (2014) 128-138. [IF: 6.355; Citations: 68]
 78. **ND Nam**, MJ Kim, JG Kim, Corrosion behaviour of low alloy steels containing manganese in mixed chloride sulphate solution, *Metallurgical and Materials Transactions A-Physical Metallurgy and Materials Science* 45 (2014) 893-905. [IF: 1.985; Citations: 15]
 79. **ND Nam**, MJ Kim, DS Jo, JG Kim, DH Yoon, Corrosion protection of Ti/TiN, Cr/TiN, Ti/CrN, and Cr/CrN multi-coatings in simulated proton exchange membrane fuel cell environment, *Thin solid films* 545 (2013) 380-384. [IF: 1.888; Citations: 29]
 80. Y Tan, **ND Nam**, J Xiong, M Forsyth, A new method of studying the corrosion behavior of selected heat affected zones on UNS S31600 stainless steel welded joints, *Corrosion* 2013 (2013) 1-5. [IF: 1.865; Citations: 1]
 81. **ND Nam**, QV Bui, M Mathesh, MYJ Tan, M. Forsyth, A study of 4-carboxyphenylboronic acid as a corrosion inhibitor of steel in carbon dioxide containing environments, *Corrosion Science* 76 (2013) 257-266. [IF: 6.355; Citations: 78]
 82. MZ Bian, YL Li, M Mathesh, D. Abreu, **ND Nam**, Microstructure and texture evolutions and mechanical properties in pure copper by equal-channel angular pressing, *Journal of Alloys and Compounds* 578 (2013) 369-372. [IF: 4.175; Citations: 20]
 83. M Mathesh, J Liu, **ND Nam**, SKH Lam, R Zheng, CJ Barrow, W Yang, Facile synthesis of graphene oxide hybrids bridged by copper ions for increased conductivity, *Journal of Materials Chemistry C* (2013) 3084-3090. [IF: 6.641; Citations: 37]
 84. KS Shin, HC Jung, MZ Bian, **ND Nam**, NJ Kim, Characterization of biodegradable magnesium single crystals with various crystallographic orientations, *European Cells and Materials* 26 (2013) 4-5. [IF: N/A; Citations: 7]
 85. **ND Nam**, M Mathesh, M Forsyth, DS Jo, Effect of manganese additions on the corrosion behavior of an extruded Mg-5Al based alloy, *Journal of Alloys and Compounds* 542 (2012) 199-206. [IF: 4.175; Citations: 35]
 86. **ND Nam**, MZ Bian, M Forsyth, M Seter, M Tan, KS Shin, Effect of calcium oxide on the corrosion behaviour of AZ91 magnesium alloy, *Corrosion Science* 64 (2012) 263-271. [IF: 6.355; Citations: 50]

87. **ND Nam**, WC Kim, JG Kim, Effect of aluminum on the corrosion resistance of low-alloy steel, *Materials and Corrosion-Werkstoffe und Korrosion* 63 (2012) 1004-1010. [IF: 1.458; Citations: 13]
88. **ND Nam**, IJ Park, JG Kim, HS Kim, Effect of flame-retarding additives on surface chemistry in Li-ion batteries, *Materials Research Bulletin* 47 (2012) 2811-2814. [IF: 3.355; Citations: 10]
89. KS Shin, MZ Bain, **ND Nam**, Effects of the crystallographic orientation on the corrosion behavior of magnesium single crystals, *JOM* 64 (2012) 664-670. [IF: 2.305; Citations: 40]
90. **ND Nam**, IJ Park, JG Kim, Triethyl and tributyl phosphites as flame-retarding additive in Li-ion batteries, *Metal and Materials International* 18 (2012) 189-196. [IF: 1.647; Citations: 14]
91. KA Kim, **ND Nam**, JG Kim, Effect of calcium addition on the corrosion behavior of Mg-5Al alloy, *Intermetallics* 19 (2011) 1831-1838. [IF: 3.353; Citations: 30]
92. **ND Nam**, IJ Park, JG Kim, Effect of flame-retarding additives on surface chemistry of electrodes in Li-ion batteries, *ECS Transaction* 33 (2011) 63-71. [IF: N/A; Citations: N/A]
93. **ND Nam**, IJ Park, JG Kim, Tris(4-fluorophenyl) Phosphine and Tris(2,2,2-trifluoroethyl) Phosphite as Flame-Retarding Additives in Li-Ion Batteries, *ECS Transaction* 33 (2011) 7-15. [IF: N/A; Citations: 8]
94. KH Kim, **ND Nam**, SH Lee, JG Kim, Effect of cobalt on the corrosion resistance of low alloy steel in sulfuric acid solution, *Corrosion Science* 53 (2011) 3576-3587. [IF: 6.355; Citations: 60]
95. WC Kim, **ND Nam**, JG Kim, JI Lee, Effect of strontium on corrosion properties of AZ91 magnesium alloy, *Electrochemical and Solid-State Letters* 14 (2011) C21-C24. [IF: 2.149; Citations: 18]
96. QV Bui, **ND Nam**, JW Yoon, DH Choi, A Kar, JG Kim, SB Jung, Effect of Gold on the Corrosion Behavior of an Electroless Nickel/Immersion Gold surface finish, *Journal of Electronic Materials* 40 (2011) 1937-1942. [IF: 1.676; Citations: 12]
97. **ND Nam**, KH Kim, JG Kim, Corrosion protection of CrN/TiN multi-coating for bipolar plate application, *Thin Solid Films* 519 (2011) 6787-6791. [IF: 1.888; Citations: 47]
98. **ND Nam**, JG Kim, KS Shin, HC Jung, Corrosion resistance of Mg-5Al-xSr alloys, *Journal of Alloys and Compounds* 509 (2011) 4839-4847. [IF: 4.175; Citations: 30]
99. **ND Nam**, JG Kim, Effect of niobium on the corrosion behavior of low-alloy steel in sulphuric acid solution, *Corrosion Science* 52 (2010) 3377-3384. [IF: 6.355; Citations: 55]
100. **ND Nam**, JH Han, JG Kim, PH Tai, DH Yoon, Electrochemical properties of TiN/CrN coating in polymer electrolyte membrane fuel cell environment, *Thin Solid Films* 518 (2010) 6598-6603. [IF: 1.888; Citations: 27]
101. **ND Nam**, JG Kim, KS Shin, HC Jung, The effect of rare earth additions on the electrochemical properties of Mg-5Al-based alloys, *Scripta Materialia* 63 (2010) 625-628. [IF: 4.539; Citations: 31]
102. **ND Nam**, IJ Park, JG Kim, Electrochemical behavior of CrN coating for polymer electrolyte membrane fuel cell, *Physica Scripta* T139 (2010) 014016-1-5. [IF: 2.151; Citations: 2]
103. **ND Nam**, JH Ahn, NE Lee, JG Kim, Electrochemical evaluation of the reliability of plasma-polymerized methylcyclohexane films, *Materials Research Bulletin* 45 (2010) 269-274. [IF: 3.355; Citations: 8]

104. QV Bui, **ND Nam**, A Kar, JG Kim, SB Jung, Corrosion properties of ENIG surface finishing using electrochemical methods, *Materials Research Bulletin* 45 (2010) 305-308. [IF: 3.355; Citations: 20]
105. QV Bui, **ND Nam**, BI Noh, A Kar, JG Kim, SB Jung, Effect of Ag addition on the corrosion properties of Sn-based lead free solder alloys, *Materials and Corrosion-Werkstoffe und Korrosion* 61 (2010) 30-33. [IF: 1.458; Citations: 27]
106. **ND Nam**, MJ Kim, YW Jang, JG Kim, Effect of tin on the corrosion behavior of low-alloy steel in an acid rain solution, *Corrosion Science* 52 (2010) 14-20. [IF: 6.355; Citations: 82]
107. **ND Nam**, JG Kim, YJ Lee, YK Son, Effect of thermal treatment on the corrosion resistance of polyaniline in H₂SO₄-HF acid mixture solution, *Corrosion Science* 51 (2009) 3007-3013. [IF: 6.355; Citations: 35]
108. **ND Nam**, WC Kim, JG Kim, KS Shin, HC Jung, Effect of mischmetal on the corrosion properties of Mg-5Al alloy, *Corrosion Science* 51 (2009) 2942-2949. [IF: 6.355; Citations: 38]
109. **ND Nam**, JG Kim, DJ Kim, NE Lee, Influence of N₂O flow rate on reliability of SiO_x films deposited by SiH₄-N₂O gas mixture plasma, *Japanese Journal of Applied Physics* 48 (2009) 08HJ011-08HJ014. [IF: 1.471; Citations: 1]
110. JH Han, **Nam ND**, YW Jang, JG Kim, Comparative study of Ni effect on the corrosion behavior of low alloy steels in FGD and acid rain environments, *Journal of the Korean Institute of Metals and Materials* 47 (2009) 558-566. [IF: 1.067, Citations: 4]
111. **ND Nam**, SH Lee, JG Kim, JW Yi, KR Lee, Effect of stress on the passivation of Si-DLC coating as stent materials in simulated body environment, *Diamond and Related Materials* 18 (2009) 1145-1151. [IF: 2.290; Citations: 24]
112. **ND Nam**, JG Kim, WS Hwang, Effect of bias voltage on the electrochemical properties of TiN coating for polymer electrolyte membrane fuel cell, *Thin solid films* 517 (2009) 4772-4776. [IF: 1.888; Citations: 42]
113. **ND Nam**, JG Kim, PH Tai, DH Yoon, Corrosion properties of RF-magnetron sputtered TiN coating deposited on 316L stainless steel, *Journal of the Korean Physical Society* 54 (2009) 1104-1108. [IF: 0.63; Citations: 4]
114. DJ Kim, YB Yun, **ND Nam**, JG Kim, NE Lee, Effects of plasma power on properties of transparent SiOCH, plasmopolymerized methylcyclohexane, and multi-layer films deposited by low-temperature PECVD, *Journal of the Korean Physical Society* 53 (2008) 2368-2373. [IF: 0.63; Citations: 2]
115. **ND Nam**, JG Kim, DJ Kim, NE Lee, Evaluation of reliability of transparent SiOCH by electrochemical methods, *Japanese Journal of Applied Physics* 47 (2008) 6982-6986. [IF: 1.471; Citations: 2]
116. **ND Nam**, JG Kim, Electrochemical Behavior of CrN coated on 316L stainless steel in simulated cathodic environment of proton exchange membrane fuel cell, *Japanese Journal of Applied Physics* 47 (2008) 6887-6890. [IF: 1.471; Citations: 26]
117. **ND Nam**, JG Kim, SM Park, NE Lee, Corrosion properties of plasma-polymerized methylcyclohexane films using electrochemical methods, *Metals and Materials International*, 14 (2008) 197-201. [IF: 1.647; Citations: 12]

3.2. Giải thưởng về nghiên cứu khoa học trong và ngoài nước (nếu có):

- Nghiên cứu khoa học xuất sắc năm 2019, Đại học Duy Tân (2019);
- Học bổng Alfred Deakin nghiên cứu sau tiến sĩ, Đại học Deakin, Úc (2012 - 2014);
- Huy chương vàng cho nghiên cứu viên có nhiều bài báo ISI nhất trong năm 2009 do Trí tuệ Hàn Quốc 21 (BK21) trao tặng năm 2009.

3.3. Các thông tin về chỉ số định danh ORCID, hồ sơ Google scholar, H-index, số lượt trích dẫn (nếu có):

- ORCID: <http://orcid.org/0000-0003-4434-0763>
- Web of Science ResearcherID: AAD-9356-2019
- SCOPUS ID: 57200124323
- + *H-index*: 22
- + *Số lượt trích dẫn*: 1306
- Google scholar: https://scholar.google.com/citations?hl=en&user=wFQ0Y58AAAAJ&view_op=list_works&authuser=1&sortby=pubdate
- + *H-index*: 25
- + *Số lượt trích dẫn*: 1641

3.4. Ngoại ngữ

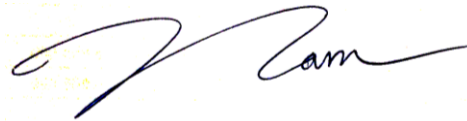
- Ngoại ngữ thành thạo phục vụ công tác chuyên môn: Tiếng Anh
- Mức độ giao tiếp bằng tiếng Anh: Thành thạo

Tôi xin cam đoan những điều khai trên là đúng sự thật, nếu sai tôi xin hoàn toàn chịu trách nhiệm trước pháp luật.

Hồ Chí Minh, ngày 21 tháng 04 năm 2020

NGƯỜI KHAI

(Ký và ghi rõ họ tên)



Nguyễn Đăng Nam