

# Arlin Jose Amali

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7125759/publications.pdf>

Version: 2024-02-01

27  
papers

1,165  
citations

516710

16  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2155  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | From assembled metal-organic framework nanoparticles to hierarchically porous carbon for electrochemical energy storage. <i>Chemical Communications</i> , 2014, 50, 1519-1522.  | 4.1  | 329       |
| 2  | Stabilisation of Pd(0) on surface functionalised Fe <sub>3</sub> O <sub>4</sub> nanoparticles: magnetically recoverable and stable recyclable catalyst for hydrogenation and Suzuki-Miyaura reactions. <i>Green Chemistry</i> , 2009, 11, 1781.         | 9.0  | 182       |
| 3  | A Biomimetic Iron Catalyst for the Epoxidation of Olefins with Molecular Oxygen at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1425-1429.  | 13.8 | 118       |
| 4  | From Metal-Organic Framework to Intrinsically Fluorescent Carbon Nanodots. <i>Chemistry - A European Journal</i> , 2014, 20, 8279-8282.   | 3.3  | 68        |
| 5  | PdPt Nanocubes: A High-Performance Catalyst for Hydrolytic Dehydrogenation of Ammonia Borane. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 888-892.  | 2.3  | 56        |
| 6  | Trapping Pd(0) in nanoparticle-assembled microcapsules: an efficient and reusable catalyst. <i>Chemical Communications</i> , 2008, , 4165.  | 4.1  | 46        |
| 7  | Fabrication of Pd Nanoparticles Embedded C@Fe <sub>3</sub> O <sub>4</sub> Core-Shell Hybrid Nanospheres: An Efficient Catalyst for Cyanation in Aryl Halides. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22907-22917.                     | 8.0  | 43        |
| 8  | Nanoparticle assembled microcapsules for application as pH and ammonia sensor. <i>Analytica Chimica Acta</i> , 2011, 708, 75-83.  | 5.4  | 40        |
| 9  | Ultrafine Bimetallic PdCo Alloy Nanoparticles on Hollow Carbon Capsules: An Efficient Heterogeneous Catalyst for Transfer Hydrogenation of Carbonyl Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 491-500.                     | 6.7  | 31        |
| 10 | Tailored Anisotropic Magnetic Chain Structures Hierarchically Assembled from Magnetoresponse and Fluorescent Components. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1318-1321.  | 13.8 | 28        |
| 11 | Enzyme-Free Multiplex Detection of <i>Pseudomonas aeruginosa</i> and <i>Aeromonas hydrophila</i> with Ferrocene and Thionine-Labeled Antibodies Using ZIF-8/Au NPs as a Platform. <i>ACS Omega</i> , 2018, 3, 17010-17022.                              | 3.5  | 27        |
| 12 | Isolable C@Fe <sub>3</sub> O <sub>4</sub> nanospheres supported cubical Pd nanoparticles as reusable catalysts for Stille and Mizoroki-Heck coupling reactions. <i>Tetrahedron Letters</i> , 2017, 58, 3276-3282.                                       | 1.4  | 25        |
| 13 | Cubical Palladium Nanoparticles on C@Fe <sub>3</sub> O <sub>4</sub> for Nitro reduction, Suzuki-Miyaura Coupling and Sequential Reactions. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 511-519.  | 4.8  | 24        |
| 14 | Poly(L-Lysine)-pyranine-3 coacervate mediated nanoparticle-assembly: fabrication of dynamic pH-responsive containers. <i>Chemical Communications</i> , 2012, 48, 856-858.   | 4.1  | 20        |
| 15 | Mesoporous Microcapsules through d-Glucose Promoted Hydrothermal Self-Assembly of Colloidal Silica: Reusable Catalytic Containers for Palladium Catalyzed Hydrogenation Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 667-674. | 6.7  | 20        |
| 16 | Preparation and photophysics of HPTS-based nanoparticle-assembled microcapsules. <i>Journal of Materials Chemistry</i> , 2009, 19, 4017.  | 6.7  | 16        |
| 17 | Co/Co@Nanoporous Carbon Derived from ZIF-67: A Highly Sensitive and Selective Electrochemical Dopamine Sensor. <i>Electroanalysis</i> , 2018, 30, 2475-2482.  | 2.9  | 16        |
| 18 | Assembly of Multiple Components in a Hybrid Microcapsule: Designing a Magnetically Separable Pd Catalyst for Selective Hydrogenation. <i>Chemistry - A European Journal</i> , 2014, 20, 12239-12244.  | 3.3  | 14        |

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|----|--|-----|-----------|
| 19 | Experimental charge density distribution and its correlation to structural and optical properties of Sm <sup>3+</sup> doped Nd <sub>2</sub> O <sub>3</sub> nanophosphors. Journal of Rare Earths, 2017, 35, 1102-1114.   | 4.8 | 14        |
| 20 | Heterogenization of cobalt nanoparticles on hollow carbon capsules: Lab-in-capsule for catalytic transfer hydrogenation of carbonyl compounds. Molecular Catalysis, 2018, 448, 153-161.  | 2.0 | 11        |
| 21 | Confinement of Cu <sup>II</sup> Phthalocyanine in a Bioinspired Hybrid Nanoparticle Assembled Structure Yields Selective and Stable Epoxidation Catalysts. Chemistry - A European Journal, 2014, 20, 8453-8457.  | 3.3 | 9         |
| 22 | CeO <sub>2</sub> /Pd Nanoparticles Incorporated Fly Ash Zeolite: An Efficient and Recyclable Catalyst for C <sub>sp</sub> <sup>2</sup> C <sub>sp</sub> <sup>2</sup> Bond Formation Reactions. Applied Organometallic Chemistry, 2020, 34, e5752.                           | 3.5 | 8         |
| 23 | Formation of fractals by the self-assembly of interpolymer adducts of polymethacrylic acid with complementary polymers in aqueous solution. Journal of Chemical Sciences, 2012, 124, 375-383.  | 1.5 | 6         |
| 24 | Palladium Nanoparticles Incorporated Thiazoline Functionalized Periodic Mesoporous Organosilica: Efficient Catalyst for Selective Hydrogenation & C <sub>sp</sub> <sup>2</sup> C <sub>sp</sub> <sup>2</sup> Bond Formation Reactions. ChemistrySelect, 2020, 5, 6131-6140. | 1.5 | 3         |
| 25 | A novel synthesis of orange-red emitting (Sm <sup>1-x</sup> Ce <sup>x</sup> ) <sub>2</sub> O <sub>3</sub> nanophosphors for UV LEDs. Nano Structures Nano Objects, 2018, 13, 51-58.  | 3.5 | 2         |
| 26 | Photoluminescence study of (Sm <sub>0.95</sub> Ce <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> nanoparticles for LED applications. AIP Conference Proceedings, 2019, , .  | 0.4 | 0         |
| 27 | Bifunctional Platinum Tetrapods: High Performance Catalyst for Hydrogenation of Aromatic Nitro Compounds and Electrochemical Sensor for Hydrazine.. ChemistrySelect, 2019, 4, 12117-12123.   | 1.5 | 0         |