

# John Amalraj

## List of Publications by Year in descending order

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37  
papers

1,169  
citations

361045

20  
h-index

377514

34  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyaniline materials by emulsion polymerization pathway. Progress in Polymer Science, 2008, 33, 732-758.	11.8	186
2	Chitosan capped copper oxide/copper nanoparticles encapsulated microbial resistant nanocomposite films. International Journal of Biological Macromolecules, 2019, 128, 499-508.	3.6	101
3	Clean synthesis of 1,8-dioxo-dodecahydroxanthene derivatives catalyzed by polyaniline-p-toluenesulfonate salt in aqueous media. Journal of Molecular Catalysis A, 2006, 248, 121-125.	4.8	76
4	Polyaniline-based conducting hydrogels. Journal of Materials Science, 2019, 54, 974-996.	1.7	76
5	Hydroxypropyl methylcellulose-copper nanoparticle and its nanocomposite hydrogel films for antibacterial application. Carbohydrate Polymers, 2021, 254, 117302.	5.1	63
6	Preparation of cellulose-ZnO hybrid films by a wet chemical method and their characterization. Cellulose, 2011, 18, 675-680.	2.4	59
7	Chitosan-pluronic based Cu nanocomposite hydrogels for prototype antimicrobial applications. International Journal of Biological Macromolecules, 2020, 143, 825-832.	3.6	58
8	Mannich-type reaction in solvent free condition using reusable polyaniline catalyst. Journal of Molecular Catalysis A, 2004, 218, 47-53.	4.8	56
9	Recent Trends in Electrochemical Sensors for Vital Biomedical Markers Using Hybrid Nanostructured Materials. Advanced Science, 2020, 7, 1902980.	5.6	54
10	A novel polyaniline-â€œfluoroboric acidâ€œ dodecylhydrogensulfate salt: versatile reusable polymer based solid acid catalyst for organic transformations. Journal of Molecular Catalysis A, 2005, 233, 9-15.	4.8	46
11	PAMAM dendrimer derivatives as a potential drug for antithrombotic therapy. European Journal of Medicinal Chemistry, 2013, 69, 601-608.	2.6	33
12	Facile synthesis of bis(indolyl)methanes using polyindole salt as reusable catalyst. Journal of Molecular Catalysis A, 2005, 242, 168-172.	4.8	32
13	The preparation, characterization and actuation behavior of polyaniline and cellulose blended electro-active paper. Smart Materials and Structures, 2010, 19, 045011.	1.8	31
14	Preparation of cellulose-ZnO hybrid films by a wet chemical method and their characterization. Cellulose, 2011, 18, 675-680.	2.4	29
15	Synthesis of Gum Acacia Capped Polyaniline-Based Nanocomposite Hydrogel for the Removal of Methylene Blue Dye. Journal of Polymers and the Environment, 2021, 29, 2447-2462.	2.4	25
16	Synthesis and characterization of soluble poly(N-heptyl indole). Polymer, 2005, 46, 12037-12039.	1.8	24
17	Synthesis and characterization of cellulose acetate-â€œcalcium carbonate hybrid nanocomposite. Composites Part B: Engineering, 2012, 43, 522-525.	5.9	24
18	One-â€œstep preparation of solution processable conducting polyaniline by inverted emulsion polymerization using didecyl ester of 4-â€œsulfophthalic acid as multifunctional dopant. Journal of Polymer Science Part A, 2008, 46, 1051-1057.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Conjugated Polymers as Heterogeneous Catalyst in Organic Synthesis. <i>Current Organic Chemistry</i> , 2008, 12, 98-117.	0.9	23
20	Green synthesis of tea Ag nanocomposite hydrogels via mint leaf extraction for effective antibacterial activity. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1588-1602.	1.9	23
21	Temperature-sensitive semi-IPN composite hydrogels for antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 307-316.	2.3	18
22	In situ and in silico evaluation of amine- and folate-terminated dendrimers as nanocarriers of anesthetics. <i>European Journal of Medicinal Chemistry</i> , 2014, 73, 250-257.	2.6	17
23	Preparation and characterization of Cellulose-ZnO nanolayer film by blending method. <i>Macromolecular Research</i> , 2015, 23, 814-818.	1.0	13
24	Removal of 4-Ethylphenol and 4-Ethylguaiacol with Polyaniline-Based Compounds in Wine-Like Model Solutions and Red Wine. <i>Molecules</i> , 2015, 20, 14312-14325.	1.7	11
25	Graphene oxide interlayered Ga-doped FeSe <sub>2</sub> nanorod: A robust nanocomposite with ideal electronic structure for electrochemical dopamine detection. <i>Electrochimica Acta</i> , 2020, 363, 137245.	2.6	11
26	Dendritic Catalysis in Asymmetric Synthesis. <i>Current Organic Chemistry</i> , 2012, 16, 1776-1787.	0.9	10
27	The binding of 4-ethylguaiacol with polyaniline-based materials in wines. <i>Food Chemistry</i> , 2014, 159, 486-492.	4.2	10
28	Emulsion Polymerization Pathway for Preparation of Polyaniline-Sulfate Salt, using Non Ionic Surfactant. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 891-900.	1.2	8
29	Nano-Detoxification of Organophosphate Agents by PAMAM Derivatives. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	7
30	Polyaniline Based Materials as a Method to Eliminate Haloanisoles in Spirits Beverages. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8308-8318.	1.8	6
31	A molecular dynamics simulations study of the ionic liquid effect on the Î <sup>2</sup> -glucosidase active site interactions with a flavonoid glycoside. <i>Journal of Molecular Liquids</i> , 2021, 340, 117115.	2.3	5
32	Simple approach for cleaning up 2,4,6-trichloroanisole from alcoholic beverage reconstituted solutions using polymeric materials. <i>Australian Journal of Grape and Wine Research</i> , 2019, 25, 327-337.	1.0	4
33	How a crosslinker agent interacts with the Î <sup>2</sup> -glucosidase enzyme surface in an aqueous solution: Insight from quantum mechanics calculations and molecular dynamics simulations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 203, 111761.	2.5	4
34	Recent Developments of Chiral Induction in the Syntheses of Biologically Important Alkaloids. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 2184-2199.	1.0	2
35	Preparation of fluoro derivative of cellulose acetate with (1,1,1,3,3,3)-hexafluoro-2-propanol by Mitsunobu reaction and its characterization. <i>Carbohydrate Polymers</i> , 2011, 84, 677-680.	5.1	1
36	Preparation and characterization of fluorinated cellulose material. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Characterization of five Chilean agribusiness by-products and their potential use as food supplements. Emirates Journal of Food and Agriculture, 0, , 607.	1.0	0