

Hanieh Kargarzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,255
citations

331670

21
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580821

25
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39
all docs

39
docs citations

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times ranked

3999
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Effects of hydrolysis conditions on the morphology, crystallinity, and thermal stability of cellulose nanocrystals extracted from kenaf bast fibers. <i>Cellulose</i> , 2012, 19, 855-866. | 4.9 | 674 |
| 2 | Recent developments on nanocellulose reinforced polymer nanocomposites: A review. <i>Polymer</i> , 2017, 132, 368-393. | 3.8 | 475 |
| 3 | Extraction of cellulose nanocrystals from mengkuang leaves (<i>Pandanus tectorius</i>). <i>Carbohydrate Polymers</i> , 2012, 88, 772-779. | 10.2 | 402 |
| 4 | Advances in cellulose nanomaterials. <i>Cellulose</i> , 2018, 25, 2151-2189. | 4.9 | 329 |
| 5 | Cellulose nanocrystal: A promising toughening agent for unsaturated polyester nanocomposite. <i>Polymer</i> , 2015, 56, 346-357. | 3.8 | 167 |
| 6 | Potential of using multiscale kenaf fibers as reinforcing filler in cassava starch-kenaf biocomposites. <i>Carbohydrate Polymers</i> , 2013, 92, 2299-2305. | 10.2 | 126 |
| 7 | Recent Developments in Nanocellulose-Based Aerogels in Thermal Applications: A Review. <i>ACS Nano</i> , 2021, 15, 3849-3874. | 14.6 | 122 |
| 8 | Starch biocomposite film reinforced by multiscale rice husk fiber. <i>Composites Science and Technology</i> , 2017, 151, 147-155. | 7.8 | 100 |
| 9 | Hydrophobic kenaf nanocrystalline cellulose for the binding of curcumin. <i>Carbohydrate Polymers</i> , 2017, 163, 261-269. | 10.2 | 93 |
| 10 | Comprehensive exploration of natural degradation of poly(lactic acid) blends in various degradation media: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 732-741. | 7.5 | 74 |
| 11 | PBAT green composites: Effects of kraft lignin particles on the morphological, thermal, crystalline, macro and micromechanical properties. <i>Polymer</i> , 2020, 203, 122748. | 3.8 | 70 |
| 12 | Nanocellulose in biomedical and biosensing applications: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 587-600. | 7.5 | 62 |
| 13 | Preparation of Nickel hydroxide nanoplates modified activated carbon for Malachite Green removal from solutions: Kinetic, thermodynamic, isotherm and antibacterial studies. <i>Chemical Engineering Research and Design</i> , 2016, 102, 85-97. | 5.6 | 56 |
| 14 | Cellulose nanocrystal reinforced liquid natural rubber toughened unsaturated polyester: Effects of filler content and surface treatment on its morphological, thermal, mechanical, and viscoelastic properties. <i>Polymer</i> , 2015, 71, 51-59. | 3.8 | 54 |
| 15 | Effect of Aminosilane Modification on Nanocrystalline Cellulose Properties. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8. | 2.7 | 47 |
| 16 | Cassava starch biocomposites reinforced with cellulose nanocrystals from kenaf fibers. <i>Composite Interfaces</i> , 2013, 20, 189-199. | 2.3 | 45 |
| 17 | Functionalized liquid natural rubber and liquid epoxidized natural rubber: A promising green toughening agent for polyester. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 2.6 | 40 |
| 18 | Enhanced adsorption and catalytic oxidation of ciprofloxacin on hierarchical CuS hollow nanospheres@N-doped cellulose nanocrystals hybrid composites: Kinetic and radical generation mechanism studies. <i>Chemical Engineering Journal</i> , 2018, 335, 567-578. | 12.7 | 40 |

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|----|--|------|-----------|
| 19 | Cetyltrimethylammonium bromide-nanocrystalline cellulose (CTAB-NCC) based microemulsions for enhancement of topical delivery of curcumin. <i>Carbohydrate Polymers</i> , 2021, 254, 117401. | 10.2 | 36 |
| 20 | Efficient method for determination of methylene blue dye in water samples based on a combined dispersive solid phase and cloud point extraction using Cu(OH) ₂ nanoflakes: central composite design optimization. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1079-1092. | 3.7 | 26 |
| 21 | Novel, facile, and fast technique for synthesis of AgCl nanorods loaded on activated carbon for removal of methylene blue dye. <i>Chemical Engineering Research and Design</i> , 2016, 103, 212-226. | 5.6 | 23 |
| 22 | Toughened polyester cellulose nanocomposites: Effects of cellulose nanocrystals and liquid epoxidized natural rubber on morphology and mechanical properties. <i>Industrial Crops and Products</i> , 2015, 72, 125-132. | 5.2 | 17 |
| 23 | Comparative Study of the Electrochemical, Biomedical, and Thermal Properties of Natural and Synthetic Nanomaterials. <i>Nanoscale Research Letters</i> , 2018, 13, 112. | 5.7 | 17 |
| 24 | Synthesis of ZnO photocatalyst modified with activated carbon for a perfect degradation of ciprofloxacin and its secondary pollutants. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4198. | 3.5 | 15 |
| 25 | Properties of Aminosilane Modified Nanocrystalline Cellulose (NCC) from Oil Palm Empty Fruit Bunch (OPEFB) Fibers. <i>Materials Science Forum</i> , 0, 888, 284-289. | 0.3 | 8 |
| 26 | Cavitation in high density polyethylene/Al ₂ O ₃ nanocomposites. <i>Composites Science and Technology</i> , 2020, 199, 108323. | 7.8 | 8 |
| 27 | Mechanical Properties of Epoxy/Rubber Blends. , 2017, , 279-314. | | 5 |
| 28 | Preparation and Characterizations of Cassava Starch Nanocomposite Reinforced Kenaf. <i>Advanced Materials Research</i> , 0, 545, 348-352. | 0.3 | 3 |
| 29 | Mechanical Properties of Epoxy“Rubber Blends. , 2015, , 1-36. | | 3 |
| 30 | Rubber toughened polyester cellulose nanocomposites. <i>AIP Conference Proceedings</i> , 2018, , . | 0.4 | 0 |