

Isotherm models	Concentration (mg/L)	Parameters		R ²
Langmuir	500	Q ₀ (mg/g)	<i>b</i> (l/mg)	0.9907
		150.07	0.0377	
Freundlich	500	<i>K_F</i> (mg/g(L/mg) ^{1/<i>n</i>})	<i>1/n</i>	0.9825
		0.21515	0.2033	
Temkin	500	<i>A</i> (L/g)	<i>b_T</i>	0.9723
		1.886	115.5	
Dubinin– Radushkevich	500	<i>q_d</i> (mg/g)	<i>K_{ad}</i>	0.8483
		129.009	3.206×10 ⁻⁵	

Langmuir Freundlich Temkin And Dubinin Radushkevich

Ying-Ying Zheng



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WASTES - Solutions, Treatments and Opportunities II Candida Vilarinho, Fernando Castro, Maria de Lurdes Lopes, 2017-09-01 Wastes Solutions Treatments and Opportunities II contains selected papers presented at the 4th edition of the International Conference Wastes Solutions Treatments and Opportunities that took place 25 26 September 2017 at the Faculty of Engineering of the University of Porto Portugal The Wastes conference which takes place biennially is a prime forum for academics and industry representatives from the waste management and recycling sectors around the world to share their experience and knowledge with all in attendance The published papers focus on a wide range of topics including Wastes as construction materials Wastes as fuels Waste treatment technologies MSW management Recycling of wastes and materials recovery Wastes from new materials nanomaterials electronics composites etc Environmental economic and social aspects in waste management and Circular economy

Sustainable Applications of Pomegranate Peels Mejdí Jeguirim, Besma Khiari, 2025-06-09 Sustainable Applications of Pomegranate Peels serves as an invaluable resource to enhance pomegranate farming and fruit processing industries while minimizing environmental impacts The book delves into multiple sustainable applications spanning biotechnological agricultural environmental and energy sectors It provides in depth identification quantification and characterization of pomegranate wastes along with their potential in livestock breeding Notably it explores the use of bioactive compounds from by products in food products and details pomegranate s health benefits including antioxidant and antimicrobial properties This comprehensive guide is essential for researchers decision makers and industry professionals Covers pomegranate harvesting wastes and fruit processing by products Provides each pomegranate by products sustainable application detailed by sector category Includes pomegranate processing by products quantification and their classification Gathers best practices for the rationalization of lignocellulosic materials to increase economic benefits Explores pomegranate health and cosmetic benefits

Wastewater Treatment Irene Samy Fahim, Lobna Said, 2023-06-21 Wastewater Treatment Recycling Management and Valorization of Industrial Solid Wastes bridges the gap between the theory and applications of wastewater treatments principles of diffusion and the mechanism of biological and industrial treatment processes It presents the practical applications that illustrate the treatment of several types of data providing an overview of the characterization and treatment of wastewaters and then examining the different biomaterials and methods for the evaluation of the treatment of biological wastewaters Further it considers the various types of industrial wastewater treatment separation and characterization of industrial wastewater The book serves as a valuable resource for practicing engineers and students who are interested in the field of wastewater treatment Features Presents the latest technologies in water treatment including nanomaterials for industrial wastewater Covers different treatments for various industrial wastewaters including chemical and pharmaceutical waste Includes forward thinking analysis including conclusions and recommendations for water reuse programs

Nanomaterials in Bionanotechnology Ravindra Pratap

Singh, Kshitij RB Singh, 2021-08-17 *Nanomaterials in Bionanotechnology Fundamentals and Applications* offers a comprehensive treatment of nanomaterials in biotechnology from fundamentals to applications along with their prospects. This book explains the basics of nanomaterial properties, synthesis, biological synthesis, and chemistry and demonstrates how to use nanomaterials to overcome problems in agricultural, environmental, and biomedical applications. Features: Covers nanomaterials for environmental analysis and monitoring for heavy metals, chemical toxins, and water pollutant detection. Describes nanomaterials-based biosensors and instrumentation and use in disease diagnosis and therapeutics. Discusses nanomaterials for food processing and packaging and agricultural waste management. Identifies challenges in nanomaterials-based technology and how to solve them. This work serves as a reference for industry professionals, advanced students, and researchers working in the discipline of bionanotechnology.

Cognitive Data Models for Sustainable Environment

Siddhartha Bhattacharyya, Naba Kumar Mondal, Koushik Mondal, Jyoti Prakash Singh, Kolla Bhanu Prakash, 2021-09-19 *Cognitive Models for Sustainable Environment* reviews the fundamental concepts of gathering, processing, and analyzing data from batch processes along with a review of intelligent and cognitive tools that can be used. The book is centered on evolving novel intelligent cognitive models and algorithms to develop sustainable solutions for the mitigation of environmental pollution. It unveils intelligent and cognitive models to address issues related to the effective monitoring of environmental pollution and sustainable environmental design. As such, the book focuses on the overall well-being of the global environment for better sustenance and livelihood. The book covers novel cognitive models for effective environmental pollution data management at par with the standards laid down by the World Health Organization. Every chapter is supported by real-life case studies, illustrative examples, and video demonstrations that enlighten readers. Explores the development and application of science, engineering, and technology in achieving a sustainable lifestyle for humanity. Provides tools, connections, and proactive solutions to take sustainability programs to the next level. Offers perspectives for design, development, and commissioning of intelligent applications. Provides reviews on the latest intelligent technologies and algorithms related to state-of-the-art methodologies of monitoring and mitigation of environmental pollution.

Material Science Technology and Global Sustainability II Syed Shatir A. Syed-Hassan, 2019-03-28 4th International Conference on Global Sustainability and Chemical Engineering ICGSCE 2018. Selected peer-reviewed papers from the 4th International Conference on Global Sustainability and Chemical Engineering ICGSCE 2018, September 5-6, 2018, Kuala Lumpur, Malaysia. *IAENG Transactions on Engineering Technologies Volume 2* Sio-Iong Ao, 2009-05-29. This volume contains twenty-one revised and extended research articles written by prominent researchers participating in the World Congress on Engineering and Computer Science WCES2008. The book will offer the state-of-the-art of tremendous advances in engineering technologies.

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automotive vehicle batteries ... How many Ferrari 458 Italia were made? Oct 17, 2015 — There isn't any official release from Ferrari, but here's my guess. There was a recall for a trunk latch problem that affected 3082 cars in ... Ferrari 458 Italia - Battery Buy BATTERY parts for the Ferrari 458 Italia. Order any in-stock part online and get it delivered in 2 days. 458 starting issue & electrical warning fault - Ferrari V8 Mar 31, 2017 — I would replace the battery if it's still on the original regardless - at the very least it will eliminate that as the problem, but six ... Tiddalik the Frog. 1: Tiddalik the Frog was thirsty, thirsty Song: 'Tiddalik the Frog was thirsty, thirsty'. Sing the song with Andy and Rebecca. In addition to the full vocal version and backing track versions of the ... Tiddalik the Frog This offers a karaoke-style video of the song, with the lyrics appearing on screen. Each song is approximately 2 to 3 minutes long. The song - backing track ... TIDDALIK THE FROG Tiddalik was a large frog, the largest frog ever known. SONG: No. 1. ONCE LONG ... MR WOMBAT (Spoken over the music of the verses.) Gather round my friends. I ... Froggy Fun - Music Connections Recommends... Nov 1, 2007 — A little pig makes up a new song, and can't find anyone to share it with, until he meets a frog who likes to sing and make up songs too. Infant Music at Home 17 Learn to sing a song about Tiddalik the Frog with BBC Teach. This is based on a traditional Aboriginal 'dreamtime' story from Australia. ... Tiddalik is so ... Tiddalik the frog Aria from the Notebook for Anna Magdalena by J.S. Bach Arranged for Band - MP3. Created by. Vinci eLearning. Tiddalick the Frog - Dreamtime Oct 29, 2018 — We'll share a dream and sing with one voice “I am, you are, we are Australian”. I'm a teller of stories. I'm a singer of songs. I am Albert ... Musical Childhoods: Explorations in the pre-school years