Advanced functional materials pdf

Firmly established as a high-level materials science journal, Advanced Functional Materials reports groundbreaking research in all aspects of materials science, including nanotechnology, chemistry, physics, and biology every week. Advanced Functional Materials is known for its rapid and fair peer review, quality content, and high impact, making it the first choice of the international material science community. Advanced Functional Materials has a 2019 impact factor of 16,836 (Journal Citation Reports (Clarivate Analytics, 2020)). ISSN printing: 1616-301X ISSN online: 1616-3028 Publishing language: English This website requires the use of a web browser that supports frames. Academic journalAdverent discipline of functional materialsMaterials Language ScienceInformationEdit byJoern RitterbuschEditing datesUs name(s)Advanced optical and electronic materials 1992 - 2000, Chemtronics 1986 - 1991 , Journal of Molecular Electronics 1985 - 1991History1985-presentPublisherWiley-VCH (Germany)FrequencyweeklyOpen accesssomeImpact factor16.836 (2019)Standard abbreviationsISO 4 (alt) · Bluebook (alt1 · alt2)NLM (alt) · MathSciNet (alt)ISO 4Adv. Mater.IndexingCODEN · JSTOR (alt) · LCCN (alt)MIAR · NLM (alt) · ScopusCODENAFMDC6ISSN1616-301X (print)1616-3028 (web)LCCN2001205770Links Journal homepage AFM news service Advanced Functional Materials is a peer-reviewed scientific journal, published by Wiley-VCH. Founded in February 2001, the magazine began publishing monthly in 2002 and moved to 18/year in 2006, biweekly in 2008 and weekly in 2013. It has been published under other titles since 1985. [1] [2] [3] Scope Coverage of this journal covers all topics related to materials science. The top cover includes photovoltaics, organic electronics, carbon materials, nanotechnology, liquid crystals, magnetic materials, surfaces and interfaces and biomaterials. Publishing formats include original search articles, feature articles, and highlights. History It was founded in 2001 by Peter Gregory, the publisher of advanced materials, when Wiley Advanced Materials for Optics and Electronics magazine (starting in 1992) was discontinued; volume numbering continued, however. Advanced Functional Materials is the sister journal of Advanced Materials and publishes comprehensive articles on the development and applications of functional materials, including topics in chemistry, physics, nanotechnology, ceramics, metallurgy and biomaterials. Frequent topics covered by the magazine also include liquid crystals, semiconductors, superconductors, optics, lasers, sensors, porous materials, light-emitter materials, magnetic materials, thin films, and colloids. The current editor-in-chief is Joern Ritterbusch; David Flanagan was previously editor-in-chief. The abstraction and indexing of materials avanzati è indicizzata nei seguenti database bibliografici:[2] Thomson Reuters Web of Science CSA Illunina Chemical Abstracts Service Service Compendex FIZ Karlsruhe Databases INSPEC Polymer Library SCOPUS (Elsevier) See also Advanced Materials Advanced Engineering Materials Small Journal of Materials Chemistry of Materials Nature Materials References ^ AFM Product Info. Wiley Online Library October 2010. doi:10.1002/(ISSN)1616-3028. Recovered 2009-12-22. The cite journal requires |journal= (help) ^ a b CAS Source Index (CASSI). Bibliographical information for this magazine. American Chemical Society. September 2010. Recovered 2010-09-12. ^ See LCCN in the information box. Library of Congress. September 2010. External links Advanced functional materials recovered Work off campus? Discover our remote access options We recognize that the COVID-19 pandemic is affecting everyone's daily lives and the global research community in unprecedented ways. Although some research activities resume slowly, many institutions remain closed, with researchers working from home in unusual circumstances. Our editorial teams also continue to work remotely. In these difficult times, we aim to support our scientific community in every possible way. Given the possible interruption of experimental work, we kindly ask our reviewers to bear in mind that some experiments may currently be difficult to perform. Now more than ever, it is important to clearly mention what suggestions it considers essential. We are aware that authors and reviewers are doing their best to review and review the manuscripts given these circumstances and if you need extra time, contact the corresponding editorial staff without hesitation. Please accept the best wishes of our editorial teams for your ongoing health and well-being. Skip Presentation In article number 2005610, Keon Jae Lee, Byeong-soo Bae and colleagues demonstrate a mechanically robust and large-scale triboelectric nanogenerator (TENG). A large-scale TENG of over 300 × 300 mm2 is composed of a hybrid film reinforced in surface-structured glass fabric (SGH film). SGH film is simply manufactured using roll-to-plate equipment. Due to the impregnation of glass fabric, the SGH film shows mechanical and thermal stability. In article number 2003601, Shiming Zhang, Libo Zhao, Ali Khademhosseini and co-authors demonstrate a hydrogel gelling biosensor capable of monitoring various human physiological signals. The device shows excellent stability. Robust chemical bonding and a reliable encapsulation approach are introduced to overcome water detachment and evaporation problems in hydrogel biosensors. The method presented could be a universal strategy to improve the performance and stability of hydrogel biosensors. In article number Meiping Zhao, Hsian-Rong Tseng, Yazhen Zhu and colleagues present a device for purifying extracellular vesicles derived from the Ewing sarcoma (EV) by pairing LINGO-1 antibodies with EV mediated by covalent covalent chemistry mechanism using a microchip embedded in the nanostructure. Purified electric vehicles can be internalized by receiving cells to transfer mRNA loads, highlighting the role of electric vehicles as biological shuttles in intercellular communication. In article #2005447, Donghee Son, Taeyoon Lee, and colleagues develop self-bindable, self-weavable fibers as new components for fiber-based electronic devices. Fibers are both conductive and extendable, which eliminates the trade-off associated with percolation theory. Integration with self-bondable and self-weavable interconnections represents a new integration strategy for fiber-based devices. others > Peter Sutter Juan-Carlos Idrobo Eli Sutter First published: December 3, 2020 AbstractFull textPDFReferencesAn Jun Jun Oh Je Hyun Lee Pil J request authorizations. Yoo First Published: December 3, 2020 AbstractFull textPDFReferences Wen Shi Zicong Marvin Wong Tianqi Deng Gang Wu Shuo-Wang Yang Request authorizations First published: December 3, 2020 AbstractFull textPDFReferencesQ > Below is a list of the most cited articles based on quotes published in the last three years, according to CrossRef. Ping Niu Lili Zhang Gang Liu Hui-Ming Cheng Pages: 4763-4770Price published: July 5, 2012 AbstractFull textPDFReferencesUsing authorizations Morteza Amjadi Ki-Uk Kyung Inkyu Park Metin Sitti Pages: 1678-1698Primo published: February 17, 2016 AbstractFull TypePDFReferences Xiaoming Li Ye Wu Shengli Zhang Bo Cai Yu Gu Jizhong Song Haibo Zeng Pages: 2435-2445Preview published: February 29, 2016 AbstractFull textPDFReferencesMore > Firmly established as a scientific journal of high-level materials , Advanced Functional Materials reports groundbreaking research in all aspects of materials science, including nanotechnology, chemistry, physics, and biology every week. Advanced Functional Materials is known for its rapid and fair peer review, quality content, and high impact, making it the first choice of the international material science community. Advanced Functional Materials has a 2019 impact factor of 16,836 (Journal Citation Reports (Clarivate Analytics, 2020)). ISSN: 1616-301X (printing). 1616-3028 (online). CODEN: AFMDC6. Currently 52 issues per year. How to quote: To ensure that references to this journal are successfully recorded and resolved (for example, in CrossRef, PubMed, or ISI Web of Knowledge), use the following abbreviated title in any citation: Adv. Funct. Mater. (Punctuation may vary depending on the style of the citation journal.) Readership Materials scientists, chemists, physicists, ceramicists, engineers, metallurgists Keywords materials science, nanotechnology, liquid crystals, superconductors, optics, lasers, sensors, porous materials, light emitting materials, ceramics, biological materials, magnetic materials, thin films, colloids, Advanced, Materials, energy materials Abstracting and Indexing Information Cambridge Structural Structural (Cambridge Crystallographic Data Centre) CAS: Chemical Abstracts Service (ACS) CCR Database (Clarivate Analytics) Chemical Abstracts Service/SciFinder (ACS) Chemistry Server Reaction Center (Clarivate Analytics) COMPENDEX (Elsevier) Contenuti attuali: Ingegneria, Informatica & Tecnologia (Clarivate Analytics) Contenuti attuali: Fisica, Chemical & Earth Sciences (Clarivate Analytics) ENERGY (FIZ Karlsruhe) INIS: International Nuclear Information System Database (IAEA) INSPEC (IET) Journal Citation Reports/Science Edition (Clarivate Analytics) Polymer Library (iSmithers RAPRA) Reaction Indice di citazione (Clarivate Analytics) Science Citation Index (Clarivate Analytics) Science Citation Index Expanded (Clarivate Analytics) SCOPUS (Elsevier) VINITI (All-Russian Institute of Science & Technological Information) Web of Science (Clarivate Analytics) Analytics)