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Regional Manager

Eastern Europe, Central Asia

Reference Solutions/ScienceDirect eBooks

Albania, October 2022



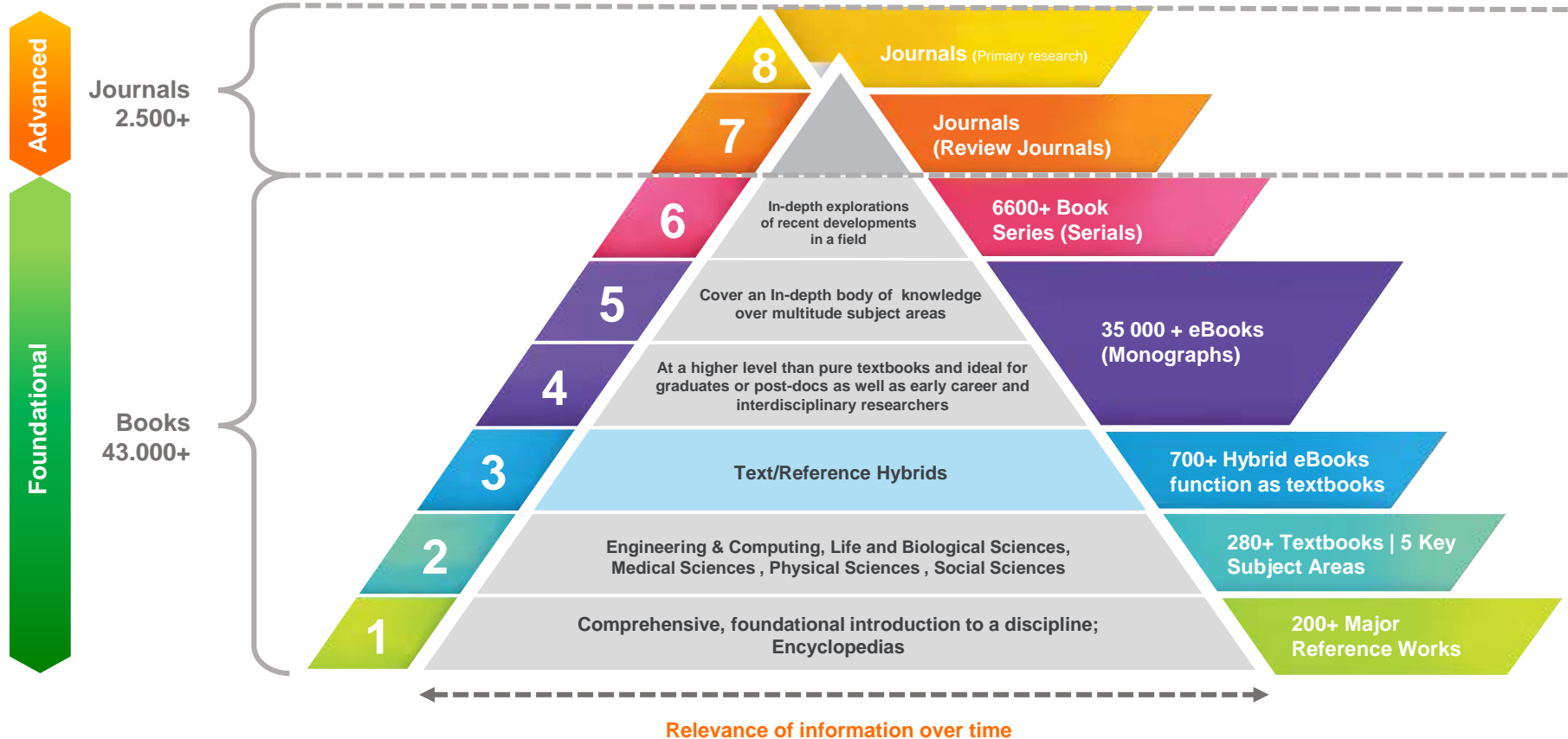


Agenda:

- How ScienceDirect can help in educational and scientific processes
- Topic Pages – game changer



ScienceDirect supports all stages of research and learning



What types of scholarly output are there?

Article type	Explanation
Review articles	Substantial overview of original research, usually with a comprehensive reference list. Note: Not a book review.
Research articles	Complete report on original research.
Encyclopedia	Elsevier major reference works.
Book chapters	Individual chapter of a book.
Conference abstracts	Abstract of a paper or oral presentation
Book reviews	A collection of book reviews.
Case reports	A detailed report of the symptoms, signs
Conference info	Information about a conference.
Correspondence	Letter to the editor or a reply to the letter
Data articles	Publication item describing data.
Discussion	Argumentative communication, like papers in a discussion, but also perspectives, commentaries, etc.

Article types ?

☐ Review articles
☐ Correspondence
☐ Patent reports

☐ Research articles
☐ Data articles
☐ Practice guidelines

☐ Encyclopedia
☐ Discussion
☐ Product reviews

☐ Book chapters
☐ Editorials
☐ Replication studies

☐ Conference abstracts
☐ Errata
☐ Short communications

☐ Book reviews
☐ Examinations
☐ Software publications

☐ Case reports
☐ Mini reviews
☐ Video articles

☐ Conference info
☐ News
☐ Other

Editorials

From the editor of the publication.

Errata

Article in which errors are reported that were made in an earlier publication in the same journal.

Examinations

Examination or quiz, with questions and answers.

Video articles

A publication item whose primary content is a video accompanied by a description of that video.



Each channel of scholarly communication is related to a *certain focus and timeline*

early
↓
late

- ✓ **Pre-print & Short communication** – early-stage reporting of a research idea or findings.

Reference: You are aware of current ideas, hypothesis, news.

- ✓ **Conference paper** – preliminary findings to be openly discussed with peers.

Reference: You are aware of research in progress.

- ✓ **Methods & Data paper** – in-depth and details description of research process and data.

Reference: You know the methods and data behind the research.

- ✓ **Research Article** – complete report of an original research.

Reference: You are aware of ongoing research of your peers.

- ✓ **Review** – substantial overview of original research, usually with a comprehensive reference list.

Reference: You can keep track of adjacent research areas.

- ✓ **Books** – comprehensive information on a particular research topic or subject area.

Reference: You have a full knowledge of a topic, including for review and teaching.



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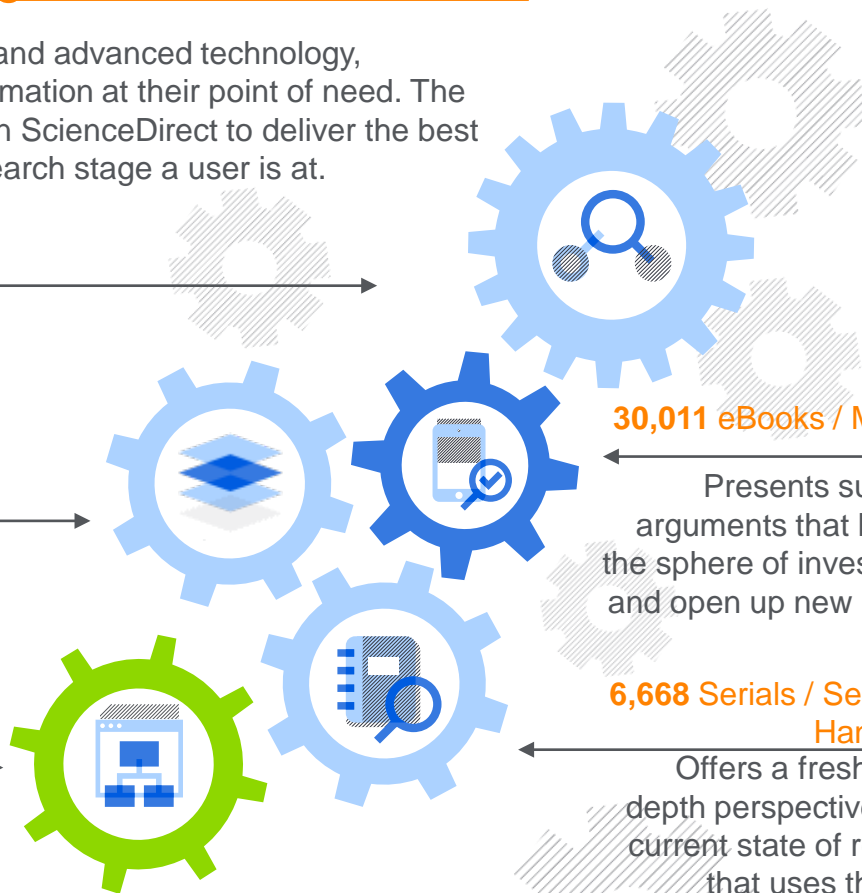
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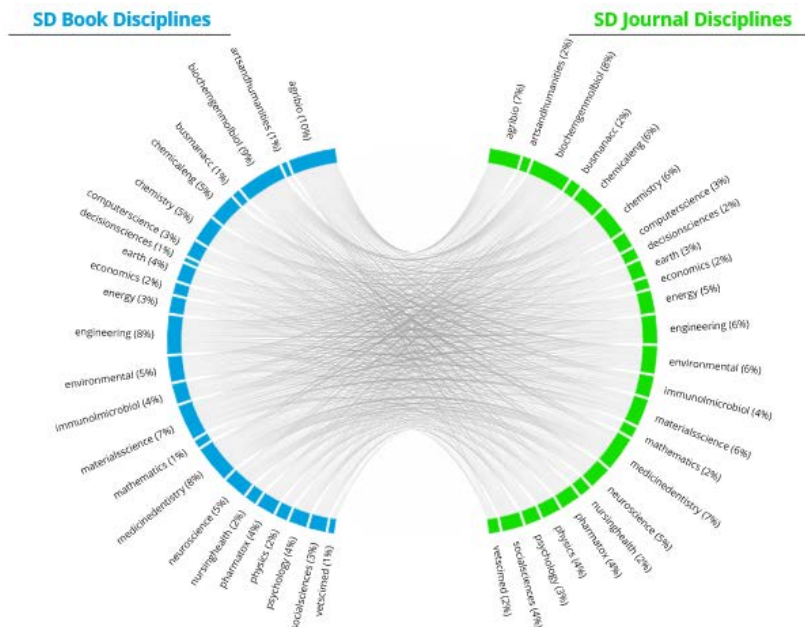
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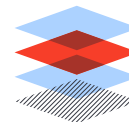
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research

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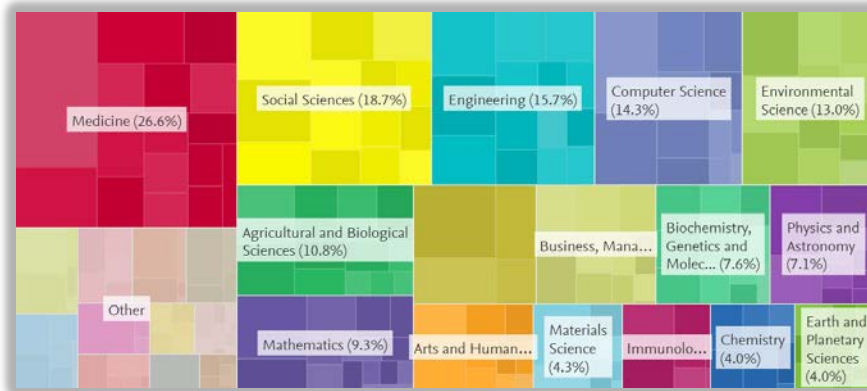


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...that is more than
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Publications by Subject Area in Albania 2017 - 2022



Subject Area Overview

Data shown for latest full year for each measure

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Measure Name	Year	Engineering	Medicine and Dentistry	Computer Science	Chemical Engineering	Materials Science	Mathematics	Social Sciences	Energy	Agricultural and Biological Science	Neuroscience	Environmental Science	Biochemistry, Genetics and Molecular Biology	Psychology	Chemistry	Arts and Humanities	Business, Management and Economics	Earth and Planetary Science	Pharmacology, Toxicology and Pharmaceutical Science	Economics, Econometrics and Finance	Immunology and Microbiology	Physics and Astronomy	Decision Sciences	Multidisciplinary	Nursing and Health Professions	Veterinary Science and Veterinary Medicine
Books Turnaways	2021	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Journal FTA Usage	2021	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Scopus Publications	2021	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Currently Selected; sorted alphabetically

1 Albania



Topic Pages – Game Changer





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Cryptocurrency



These pages provide concept definitions and subject overviews for researchers who want to expand their knowledge about scholarly and technical terms.

Each synopsis provides a series of short, authoritative, excerpts from highly relevant book chapters written by subject matter experts in the field.

These topic summaries are derived from Elsevier encyclopedias, reference works and books.

Results

Cryptocurrency *in Computer Science*

Cryptocurrency *in Economics, Econometrics and Finance*



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Cryptocurrency

CommunityCoin is a cryptocurrency designed for network communities, which features a mechanism of rewards based on the contribution and participation of community members.

From: [Handbook of Digital Currency, 2015](#)

Related terms:

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Legal Issues in Cryptocurrency

Vrajlal Sapovadia, in [Handbook of Digital Currency, 2015](#)

13.2.3 Tax incidences and stamp duty

Cryptocurrency is a currency and hence it is an asset. Therefore, cryptocurrency transactions are subject to tax like any other asset or currency. Cryptocurrency transaction may attract [capital gain tax](#), income tax, transaction tax, and wealth tax. Even if cryptocurrency transaction is void and illegal, the tax law is empowered to charge taxes on such transactions. In March 2014, the Internal Revenue

Legal Risks of Owning Cryptocurrencies

Kelvin F.K. Low, Ernie Teo, in [Handbook of Blockchain, Digital Finance, and Inclusion, Volume 1, 2018](#)

Abstract

Cryptocurrencies like [Bitcoin](#) have matured from being associated exclusively with techies and radicals to being considered by central banks as a technology to implement digital money. Cryptocurrencies exist only in digital form and can be transferred completely between digital addresses. This is both unlike conventional electronic money



Find articles with these terms

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Years

☐ 2023 (12)☐ 2022 (381)☐ 2021 (498)

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Article type

☐ Review articles (4,034)☐ Research articles (42,298)☒ Encyclopedia (1,007)☒ Book chapters (13,862)☐ Conference abstracts (1,047)☐ Book reviews (970)☐ Case reports (41)☐ Conference info (491)☐ Correspondence (143)☐ Data articles (15)☐ Download selected articles [Export](#)sorted by [relevance](#) | [date](#)☐ Book chapter ● Full text access

1 Chapter 15: Cryptocurrency and Virtual Currency: Corruption and Money Laundering/Terrorism Financing Risks?

Handbook of Digital Currency, 2015, ...

Kim-Kwang Raymond Choo

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2 Chapter Twelve: Cryptocurrencies

Advances in Computers, 29 September 2020, ...

Shubhani Aggarwal, Neeraj Kumar

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3 Chapter 14: A study of bitcoin and Ethereum blockchains in the context of client types, transactions, and underlying network architecture

System Assurances, 18 March 2022, ...

Rohaila Naaz, Ashendra Kumar Saxena

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4 Chapter 16: A Light Touch of Regulation for Virtual Currencies

Handbook of Digital Currency, 2015, ...

Lam Pak Nian, David LEE Kuo Chuen

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Chapter contents Book contents

Outline

Abstract

Keywords

15.1. Corruption: a social evil

15.2. Review of financial action task force on money laun...

15.3. Cryptocurrencies and virtual currencies and their po...

15.4. The way forward: a conceptual intelligence-led AML/...

References

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Figures (1)



Tables (4)

Table 15.1

Table 15.2



Handbook of Digital Currency

Bitcoin, Innovation, Financial Instruments, and Big Data

2015, Pages 283-307



Chapter 15 - Cryptocurrency and Virtual Currency: Corruption and Money Laundering/Terrorism Financing Risks?

Kim-Kwang Raymond Choo

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<https://doi.org/10.1016/B978-0-12-802117-0.00015-1>

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Abstract

Individuals involved in bribery and corruption will constantly seek to exploit new areas and opportunities to offend and launder their corruption proceeds and evade the scrutiny of law enforcement and other government agencies. The broad objective of this chapter is to examine whether cryptocurrencies and other virtual methods are potential instruments for laundering corruption proceeds. First, we review 75 FATF and FATF-style regional bodies' mutual evaluation reports and identify compliance issues in areas that might afford exploitative opportunities for

Recommended articles

Bitcoin-Like Protocols and Innovations

Handbook of Digital Currency, 2015, pp. 417-451

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Handbook of Digital Currency, 2015, pp. 231-248

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Cryptocurrencies as Distributed Community Ex...

Handbook of Digital Currency, 2015, pp. 201-222

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- ☐ 2022 (20,739)
- ☐ 2021 (39,621)

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- ☐ Research articles (420,173)
- ☐ Encyclopedia (6,996)
- ☐ Book chapters (37,595)

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- 1 A decade for the books: Bibliometric analysis of **Economics Letters**
Economics Letters, Available online 27 April 2022, ...
Tin Horvatinić, Marina Matošec

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- 2 Complexity and aesthetics: How arts, sciences, and **economics** coevolve
Chaos, Solitons & Fractals, 2 March 2022, ...
J. Barkley Rosser

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- 3 Racial and gender achievement gaps in an **economics** classroom
International Review of **Economics Education**, 26 February 2022, ...
Daria Botta, Douglas McKee, ... Anna McDougall

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Suggested topics

Economics

in Economics, Econometrics and Finance

Use hyperlinks to co-use journals & books

3. The evolution of science and mathematics and their limits in esthetic complexity

The problem of shifts in schools of art resembles that of paradigm shifts in science, as Puu notes, bringing up Thomas Kuhn's *The Structure of Scientific Revolutions* [10] and his contrasting of “normal science” with the sudden profound shifts that happen when deep structures of understanding transform. He links this with the view of Schumpeter [8], who saw this conflict between periods of continuous and slow change with those moments when major changes happen, those discontinuities that can arise in nonlinear dynamical systems. So Schumpeter described those periods of what Kuhn later called normal science when they seem to reach a state of apparent perfection as “classical situations...like a Greek temple.” Of course, Schumpeter like Kuhn understood that such situations would not and could not remain as they were. There are always loose ends and phenomena that resist explanation in the existing paradigm, and as troubling empirical data appears the pressure increases, which can bring down even the most apparently perfect of Greek temples, most of which are in ruins today, as new paradigms arise. Curiously, even the most perfect seeming of such temples had built into them imperfect details that added to their apparent perfection. Thus with the most famous of them all, the Parthenon in Athens, the columns are not perfectly straight, but vary in width as one moves up and down them, with this variation adding to the illusion from a distance of perfection.



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Dynamical Systems

Related terms:

Entropy, Theorems, Operators (Mathematics), Oscillators, Amplitudes, Oscillations, Bifurcation, Lyapunov Exponents

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Singularity and Bifurcation Theory

J.-P. Françoise C. Piquet, in *Encyclopedia of Mathematical Physics*, 2006

Introduction

Dynamical systems first developed from the geometry of Newton's equations (see Goodstein and Goodstein (1997)) and the question of the stability of the solar system motivated further researches inspired by celestial mechanics (cf. Siegel and Moser (1971)). Then dynamical systems developed intensively from stability theory (Lyapunov's theory) to generic properties (based on functional analysis techniques), hyperbolic structures (Anosov's flows, Smale axiom A) and to perturbation theory (Pugh's closing lemma, KAM theorem). There are many links with ergodic theory dating back to Birkhoff's ergodic theorem (motivated by Boltzmann–Gibbs contributions to thermodynamics). These aspects have been developed in several articles of the encyclopedia (see Generic Properties of Dynamical Systems; Ergodic Theory; Hyperbolic Dynamical Systems). This article develops another aspect of dynamical systems, namely bifurcation theory. In contrast, the mathematics involved relates more to local analytic geometry in the broad sense and provides local models like normal forms, uses blow-up techniques and asymptotic developments. This contains the singularity theory of functions (related to singularities of gradient flows). A recent development of the whole subject deals with bifurcation theory of fast-slow systems.

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11,953,139 Global publications between 2015-19 on Scopus

18% of those publications contain Book citations

16% of Book citations are from Elsevier Books

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2.5
relative
citation
impact

Novel Approach to Discovery to Help Users Find the Answers They Need



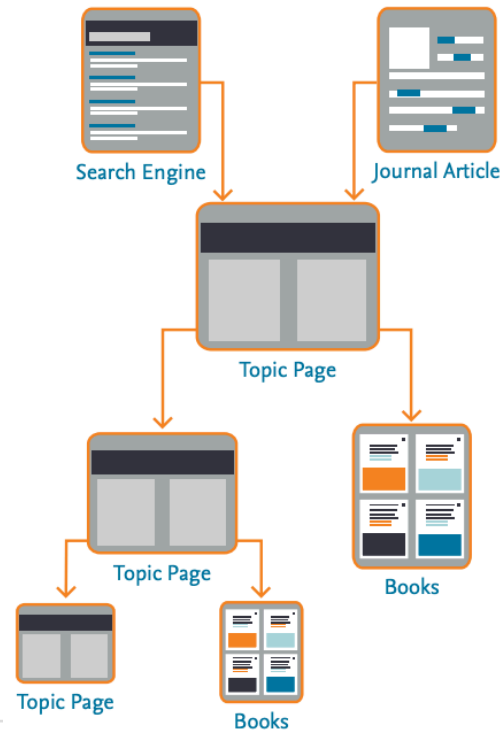
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Topic Pages

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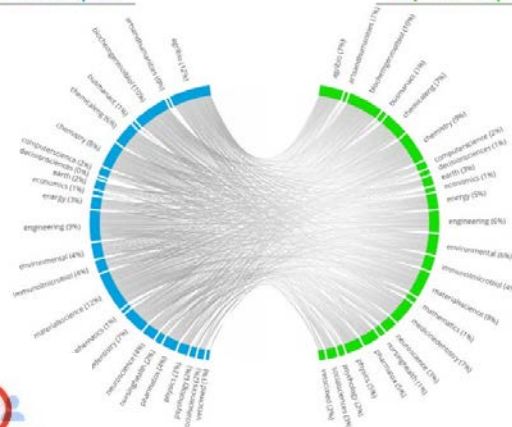
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Polarization Resistance

Polarization resistance is defined as the resistance of the specimen to oxidation during the application of an external potential.

From: 4th 2006 - Second International Conference on Multi-Material Micro Manufacture, 2006

Related terms:

Magnesium Alloy, Magnesium Alloy Behavior as Electrode, Corrosion Potential, Cathode, Corrosion Resistance, Anode, View all Topics >

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About this page

Protective coating of zinc and zinc alloys for industrial applications

Y. Toshiy, K. Kozadilov, in: 4th 2006 - Second International Conference on Multi-Material Micro Manufacture, 2006

5 Corrosion behavior of electro-deposited Zn and Zn-Co coatings

Polarization resistance (R_p) measurements are used to determine the protective ability of electrodeposited coatings since the registered R_p values are contrainverse proportional to the corrosion current (higher polarization resistance means lower corrosion current). Polarization resistance is defined as the resistance of the specimen to oxidation during the application of an external potential. The corrosion rate is directly related to the R_p and can be calculated from it. The results obtained are presented in Fig. 2 [6].



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Corrosion Monitoring

Y. He, in: Reference Module in Materials Science and Materials Engineering, 2016

3.3 LPR

LPR monitoring is an electrochemical technique that is best suited for ionically conductive liquid environments. A common LPR probe consists of two or three cylindrical electrodes of a similar material to that of the object to be monitored. A small DC voltage, V_L , of about 10–20 mV is applied across two electrodes. The current flow between polarized electrodes is measured after a few minutes. The ratio of the voltage to current, R_p , is the LPR which, according to the Stern–Geary relationship, is inversely proportional to the corrosion current

$$R_p = \frac{V_L}{I_L} = \frac{B}{I_{cor}}$$

The corrosion rate can then be calculated from I_{cor} using Faraday's law if the constant B is known. In commercial instruments, B has an assumed value of about 18 mV; and for most iron-based alloys $1.0 \mu A \text{ cm}^{-2}$ current density corresponds to a corrosion rate of approximately 11 μm per year.

The advantage of the LPR technique is that the measurement is electrode against which the potential of the specimen is precisely controlled. The current flow is across the test electrode and the

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