

Contents volumes 4, 5, 6 (2008, 2009, 2010)

- Abad** MF → Financial aspects of open access journals, 5: 107
doi:10.2436/20.7010.01.66
- Abad Morejón de Girón FX → Reflections on biosafety: do we really know what biosafety, biocontainment, and biosecurity mean?, 6: 99
doi:10.2436/20.7010.01.87
- Aguilella VM → The ionic selectivity of large protein ion channels, 4: 11
doi:10.2436/20.7010.01.31
- Aguiló M → Carvajal JJ
- Agulló J → Professor Enric Ras i Oliva (1915–2007), 6: 121
doi:10.2436/20.7010.01.90
- Agulló-Galilea D → Gaudí and the enigma of the modernist architectural ensemble in the gardens of the former Sant Boi Mental Hospital, 6: 41
doi:10.2436/20.7010.01.82
- Alarcón A → Guix M
- Alcaraz A → Aguilella VM
- Alcubilla R → Centre for Research in NanoEngineering (CRnE-UPC), 4: 253
- Alegret S → Arguimbau L, Pividori MI
- Alegret S → Preface, 6: 131
- Alonso N → Voltas J
- Araus JL → Voltas J
- Arguimbau L → Chemical research in the Catalan Countries: a brief quantitative assessment of the agents, resources, and results, 6: 215
doi:10.2436/20.7010.01.98
- Arguimbau L → The MERIDIÀ web portal: the study and dissemination of Catalan science, 6: 75
doi:10.2436/20.7010.01.85
- Barbé-Farré** D → The therapeutical garden: Gaudí and the patients of the former Sant Boi Mental Hospital, 6: 49
doi:10.2436/20.7010.01.83
- Barceló D → Mastroianni N, Sabater S
- Bas C → The Mediterranean: a synoptic overview, 5: 25
doi:10.2436/20.7010.01.57
- Bastus N → Casals E
- Benito AM → Maser WK
- Berlanga M → Guerrero R
- Borrull F → Fontanals N
- Campàs** M → Marine biotoxins in the Catalan litoral: could biosensors be integrated into monitoring programmes? → 4: 43
doi:10.2436/20.7010.01.34
- Carbonell C → Guix M
- Carda-Broch S → Esteve-Romero J
- Carvajal JJ → Production and characterization of nanostructured materials for optical applications at Rovira i Virgili University, 4: 157
doi:10.2436/20.7010.01.46
- Casals E → Guix M
- Casals E → Inorganic nanoparticles and biology, 4: 171
doi:10.2436/20.7010.01.47
- Casanova I → Alcubilla R
- Castro JA → Ramon M
- Cavazza M → Laura Bassi and Giuseppe Veratti: an electric couple during the Enlightenment, 5: 115
doi:10.2436/20.7010.01.67
- Cervera A → Arguimbau L
- Cetto AM → The nuclear energy of the future, 5: 77
doi:10.2436/20.7010.01.62
- Comella JX → Segura MF
- Comenge J → Casals E, Guix M
- Corrales Rodríguez C → The use of mathematics to read the book of nature. About Kepler and snowflakes, 6: 27
doi:10.2436/20.7010.01.80
- Cortés V → Vila J
- Custodio E → Estimation of aquifer recharge by means of atmospheric chloride deposition balance in the soil, 6: 81
doi:10.2436/20.7010.01.86
- da Costa** MS → Empadinhas N
- de la Iglesia P → Campàs M
- Díaz F → Carvajal JJ
- Díez E → Darwin in the press: What the Spanish dailies said about the 200th anniversary of Charles Darwin's birth, 5: 193
doi:10.2436/20.7010.01.75
- Diogène J → Campàs M
- Domingo Álvarez M → Abad Morejón de Girón FX
- Domingo E → Quasispecies: from molecular Darwinism to viral diseases, 5: 161
doi:10.2436/20.7010.01.71
- Dominguez M → Díez E
- Echaravarren** AM → Pérez-Galán P
- Empadinhas N → Diversity, distribution and biosynthesis of compatible solutes in prokaryotes, 5: 95
doi:10.2436/20.7010.01.65
- Escobedo J → Mercantile arithmetic and the incunable Catalan printing. *Suma de la art de aritmètica*, by Francesc Santcliment (1482), 6: 59
doi:10.2436/20.7010.01.84
- Esteve-Romero J → Micellar liquid chromatography in bioanalytical chemistry, 6: 105
doi:10.2436/20.7010.01.88
- Feliu** JM → Surface electrochemistry and reactivity, 6: 161
doi:10.2436/20.7010.01.94
- Fernández-Tejedor M → Campàs M
- Ferré-Borrull J → Vojkuvka L
- Ferrer-Anglada N → Pérez-Puigdemont J
- Ferrer-Anglada N → Preface, 4: 139
- Ferrio JP → Voltas J
- Figueras A → The creation of a new Institute of Research on Nanoscience and Nanotechnology (CIN2, CSIC-ICN), 4: 243
- Font Cierco J → The impact of chemistry in Catalonia's industrial development during the 20th century, 6: 243
doi:10.2436/20.7010.01.101
- Fontanals N → Overview of the novel sorbents available in solid-phase extraction to improve the capacity and selectivity of analytical determinations, 6: 199
doi:10.2436/20.7010.01.97
- Fontbona F → "Catalonia and the Sciences," sculptoric group by Josep Llimona at the Institute for Catalan Studies, 6: 35
doi:10.2436/20.7010.01.81
- Fortey R → Charles Darwin: The scientist as an hero, 5: 183
doi:10.2436/20.7010.01.74
- Fraxedas J → Verdaguer A
- García-Fernández** L → Guix M
- Garfield E → The evolution of the Science Citation Index, 5: 63
doi:10.2436/20.7010.01.60
- Giménez G → Campàs M
- Giner S → Foreword, 5: 9
- Giner S → Social Darwinism, 5: 199
doi:10.2436/20.7010.01.76
- Glashow SL → Beyond Darwin: from the elements of the Universe, 5: 133
doi:10.2436/20.7010.01.68
- Glashow SL → The errors and animadversions of Honest Isaac Newton, 4: 105
doi:10.2436/20.7010.01.42
- Guerrero R → The evolution of microbial life: paradigm changes in microbiology, 5: 55
doi:10.2436/20.7010.01.59
- Guinovart JJ → Foreword, 6: 1
- Guix M → Nanoparticles for cosmetics. How safe is safe?, 4: 213
doi:10.2436/20.7010.01.52

- Herrero E** → Feliu JM
Hoffmann R → More about Mme. Lavoisier than M. Lavoisier, 4: 111
doi:10.2436/20.7010.01.43
- Hogan D → Why are bacteria refractory to antimicrobials?, 5: 85
doi:10.2436/20.7010.01.63
- IEC** → A brief look at some of the activities planned for the International Year of Chemistry 2011 (IYC 2011) in Catalonia, 6: 249 doi:10.2436/20.7010.01.102
- Jordi C** → Puig R
Jordi C → The European Space Agency *Gaia* misión: exploring the Galaxy, 6: 11
doi:10.2436/20.7010.01.78
- Kaempgen M** → Pérez-Puigdemont J
Kessler E → Communicating science: the role of Academies, 4: 93
doi:10.2436/20.7010.01.40
Kolter R → Hogan D
- Labarta A** → Institute of Nanoscience and Nanotechnology of the University of Barcelona (IN2UB), 4: 249
Lalueza-Fox C → The Neanderthal Genome project and beyond, 5: 169
doi:10.2436/20.7010.01.72
Latorre R → Arguimbau L
Llebot JE → Foreword, 5: 131
López de Alda M → Mastrianni N
López-Carrillo V → Pérez-Galán P
Lora-Tamayo E → Barcelona Nanotechnology Cluster Bellaterra (BCN-b), 4: 231
Luque FJ → Orozco M
- Marcé RM** → Fontanals N
Marsal LF → Vojkuvka L
Martí M → Arguimbau L
Martínez E → Vila J
Martínez MT → Maser WK
Marty J-L → Campàs M
Maser WK → Electroactive polymer-carbon nanotube composites: smart organic materials for optoelectronic applications, 4: 187 doi:10.2436/20.7010.01.49
Mastrianni N → Emerging organic contaminants in aquatic environments: state-of-the-art and recent scientific contributions, 6: 193
doi:10.2436/20.7010.01.96
Mateu A → Diez E
Mira J → Can two languages coexist within the same community of speakers?, 6: 21
doi:10.2436/20.7010.01.79
Mugarza A → Verdaguera A
- Nadal M** → Deficit irrigation and rootstock effects on water stress, growth, and grape composition in a Mediterranean climate, 6: 115 doi:10.2436/20.7010.01.89
Nash M → Challenging subordination: the woman's movements, 4: 75
doi:10.2436/20.7010.01.38
- Núñez-Centella R → On how science becomes cultura: the case of Corunna, 4: 61
doi:10.2436/20.7010.01.36
- Obradors X** → Nanoscience and nanotechnology at the Institute of Materials Science of Barcelona (ICMAB), 4: 239
Oncins G → Torrent-Burgués J
Orozco M → The impact of theoretical chemistry on biology, 6: 133
doi:10.2436/20.7010.01.91
- Pallarés J** → Vojkuvka L
Paredes Á → Mira J
Pascual J → Figueras A
Pérez Oliva M → Implications of the theory of evolution in an information society, 5: 177
doi:10.2436/20.7010.01.73
Pérez-Galán P → The Principles of Gold-Catalyzed Molecular Gymnastics, 6: 143
doi:10.2436/20.7010.01.92
Pérez-Puigdemont J → Transparent, flexible electrodes and sensors based on carbon nanotube thin films, 4: 193
doi:10.2436/20.7010.01.50
Pericàs MA → The Institute of Chemical Research of Catalonia (ICIQ), 6: 233
doi:10.2436/20.7010.01.99
Picornell A → Ramon M
Piqueras M → Emma Darwin: a great woman behind a great man, 5: 17
doi:10.2436/20.7010.01.56
Pividori MI → Electrochemical biosensors for food safety, 6: 173
doi:10.2436/20.7010.01.95
Podobinski J → Vila J
Puig R → Professor Maria Assumpció Català Poch (1925–2009), 5: 203
doi:10.2436/20.7010.01.77
Puig-Pla C → Narcís Monturiol (1819–1885), pioneer of submarine navigation, 5: 147
doi:10.2436/20.7010.01.70
Puntes V → Casals E
- Rambla-Alegre M** → Esteve-Romero J
Ramon M → Human population of the Balearic Island: the case of Chuetas and Ibizans, 4: 85 doi:10.2436/20.7010.01.39
Redi CA → The problems of biosciences in contemporary society, 4: 97
doi:10.2436/20.7010.01.41
Reguant S → Geology as a "local" science, 5: 41 doi:10.2436/20.7010.01.58
Rius M → Science in Western Islam. Circulation of knowledge in the Mediterranean, 5: 141 doi:10.2436/20.7010.01.69
Roca-Rosell A → Puig-Pla C
Ron EZ → Microbiological sciences: a European perspective, 5: 71
doi:10.2436/20.7010.01.61
Roth Siegmar → Pérez-Puigdemont J
- Sabater S** → The Catalan Institute for Water Research (ICRA), 6: 237
doi:10.2436/20.7010.01.100
Sainz R → Maser WK
Salvadó I → MATGAS: a center of excellence on CO₂, 4: 237
- Samitier J → The Nanobioengineering Research Laboratory, 4: 247
Sanz F → Torrent-Burgués J
Sapiña F → Vila J
Segura MF → Relevance of death receptors in nervous system: role in the pathogenesis of neurodegenerative diseases and targets for therapy, 4: 33
doi:10.2436/20.7010.01.33
Seoane LF → Mira J
Serra F → Microelectronics Institute of Barcelona — National Centre for Microelectronics (IBM-CNM, CSIC), 4: 233
Serra L → Spin-orbit coupling and the electronic properties of quantum wires, 4: 203 doi:10.2436/20.7010.01.51
Serra Ramoneda A → The contribution of the social sciences to knowledge, 4: 55
doi:10.2436/20.7010.01.35
Serrat D → Foreword, 4: 9
Solanes Foz D → Abad Morejón de Girón FX
Soria B → Biomedical research in Spain: the patient's point of view, 5: 91
doi:10.2436/20.7010.01.64
- Terrés B** → Pérez-Puigdemont J
Testa J → The Thomson Scientific journal selection process, 4: 69
doi:10.2436/20.7010.01.37
Tickell C → The theory of evolution: 150 years afterwards, 5: 11
doi:10.2436/20.7010.01.55
Torner L → The Institute of Photonic Sciences (ICFO), 4: 257
Torrent-Burgués J → Nanomechanics of Langmuir-Blodgett films, 4: 177
doi:10.2436/20.7010.01.48
Trifonov T → Vojkuvka L
- Varon M** → Casals E
Vázquez S → Casals E
Verdaguer A → Water on surfaces studied by scanning probe microscopies, 4: 141
doi:10.2436/20.7010.01.45
Vernet JM → Nadal M
Vigo J → Presentation to the Celebration of Darwin Year 2009, 5: 159
Vigo J → Professor Oriol de Bolos i Capdevila (Olot 1924–Barcelona 2007), 4: 115
doi:10.2436/20.7010.01.44
Vila J → Synthesis and characterization of nanostructured Co_{1-x}Ni_xMoO₄ catalysts active in the ODH of propane, 4: 223
doi:10.2436/20.7010.01.54
Vojkuvka L → Fabrication of self-ordered nanoporous alumina for optical and structural characterization, 4: 219
doi:10.2436/20.7010.01.53
Voltas J → Stable carbon isotopes in archaeobotanical remains and palaeoclimate, 4: 21
doi:10.2436/20.7010.01.32
- Yus M** → Discovering new arene-catalyzed lithiations, 6: 155
doi:10.2436/20.7010.01.93

Authors Index · volumes 4, 5, 6

Abad MF → 5: 107
 Abad Morejón de Girón FX → 6: 99
 Aguilera M → 4: 11
 Aguiló M → 4: 157
 Agulló J → 6: 121
 Agulló-Galilea D → 6: 41
 Alarcón A → 4: 213
 Alcaraz A → 4: 11
 Alcubilla R → 4: 253
 Alegret S → 6: 131, 6: 173, 215
 Alonso N → 4: 21
 Araus JL → 4: 21
 Arguimbau L → 6: 75, 215

Barbé-Farré D → 6: 49
 Barceló D → 6: 193, 237
 Bas C → 5: 25
 Bastus N → 4: 171
 Benito AM → 4: 187
 Berlanga M → 5: 55
 Borrull F → 6: 199

Campàs M → 4: 43
 Carbonell C → 4: 213
 Carda-Broch S → 6: 105
 Carvajal JJ → 4: 157
 Casals E → 4: 171, 213
 Casanova I → 4: 253
 Castro JA → 4: 85
 Cavazza M → 5: 115
 Cervera A → 6: 75
 Cetto AM → 5: 77
 Comella JX → 4: 33
 Comenge J → 4: 171, 213
 Corrales Rodríguez C → 6: 27
 Cortés V → 4: 223
 Custodio E → 6: 81

da Costa MS → 5: 95
 de la Iglesia P → 4: 43
 Díaz F → 4: 157
 Diez E → 5: 193
 Diogène J → 4: 43
 Domingo Álvarez M → 6: 99
 Domingo E → 5: 161
 Domínguez M → 5: 193

Echavarren AM → 6: 143
 Empadinhas N → 5: 95
 Escobedo J → 6: 59
 Esteve-Romero J → 6: 105

Feliu JM → 6: 161
 Fernández-Tejedor M → 4: 43
 Ferré-Borrull J → 4: 219
 Ferrer-Anglada N → 4: 139, 193
 Ferrio JP → 4: 21
 Figueras A → 4: 243
 Font Cierco J → 6: 243
 Fontanals N → 6: 199
 Fontbona F → 6: 35
 Fortey R → 5: 183
 Fraxedas J → 4: 141

García-Fernández L → 4: 213
 Garfield E → 5: 63
 Giménez G → 4: 43
 Giner S → 5: 9, 199
 Glashow SL → 4: 105, 5: 133
 Guerrero R → 5: 55
 Guinovart JJ → 6: 1
 Guix M → 4: 213
Herrero E → 6: 161
 Hoffmann R → 4: 111
 Hogan D → 5: 85

IEC → 6: 249

Jordi C → 5: 203, 6: 11
Kaempgen M → 4: 193
 Kessler E → 4: 93
 Kolter R → 5: 85

Labarta A → 4: 249
 Lalueza-Fox C → 5: 169
 Latorre R → 6: 75
 Llebot JE → 5: 131
 López de Alda M → 6: 193
 López-Carrillo V → 6: 143
 Lora-Tamayo E → 4: 231
 Luque FJ → 6: 133

Marcé RM → 6: 199
 Marsal LF → 4: 219
 Martí M → 6: 75
 Martínez E → 4: 223
 Martínez MT → 4: 187
 Marty J-L → 4: 43
 Maser WK → 4: 187
 Mastroianni N → 6: 193
 Mateu A → 5: 193
 Mira J → 6: 21
 Mugarza A → 4: 141

Nadal M → 6: 115
 Nash M → 4: 75
 Núñez-Centella R → 4: 61

Obradors X → 4: 239

Oncins G → 4: 177
 Orozco M → 6: 133

Pallarés J → 4: 219
 Paredes Á → 6: 21
 Pascual J → 4: 243
 Pérez Oliva M → 5: 177
 Pérez-Galán P → 6: 143
 Pérez-Puigdemont J → 4: 193
 Pericás MA → 6: 233
 Picornell A → 4: 85
 Piquerás M → 5: 17
 Pividori MI → 6: 173

Podobinski J → 4: 223
 Puig R → 5: 203
 Puig-Pla C → 5: 147
 Puntes V → 4: 171

Rambla-Alegre M → 6: 105
 Ramon M → 4: 85
 Redi CA → 4: 97
 Reguant S → 5: 41
 Rius M → 5: 141
 Roca Rosell A → 5: 147
 Ron EZ → 5: 71
 Roth → 4: 193

Sabater S → 6: 237
 Sainz R → 4: 187
 Salvadó I → 4: 237
 Samitier J → 4: 247
 Sanz F → 4: 177
 Sapiña F → 4: 223
 Segura MF → 4: 33
 Seoane LF → 6: 21
 Serra F → 4: 233
 Serra L → 4: 203
 Serra Ramoneda A → 4: 55
 Serrat D → 4: 9
 Solanes Foz D → 6: 99
 Soria B → 5: 91

Terrés B → 4: 193
 Testa J → 4: 69
 Tickell C → 5: 11
 Torner L → 4: 257
 Torrent-Burgués J → 4: 177
 Trifonov T → 4: 219

Varon M → 4: 171
 Vázquez S → 4: 171
 Vega LF → 4: 237
 Verdaguer A → 4: 141
 Vernet JM → 6: 115
 Vigo J → 4: 115, 5: 159
 Vila J → 4: 223
 Vojkuvka L → 4: 219
 Voltas J → 4: 21

Yus M → 6: 155

Keywords Index · volumes 4, 5, 6

- Al-Andalus** → 5: 141
 Adatom adsorption → 6: 161
 Allergens → 6: 173
 Analytical determination → 6: 199
 Anion adsorption → 6: 161
 Anodization → 4: 219
 Antibiotic resistance → 5: 85
 Antibiotics → 6: 173
 Antoni Gaudí → 6: 41, 49
 Apoptosis → 4: 33
 Aquifers → 6: 81
 Arab astronomy → 5: 141
 Archaeology → 4: 21
 Astrometry → 6: 11
 Atomic force microscopy (AFM) → 4: 141, 177
- Bacterial** porins → 4: 11
 Bacterial structure → 5: 55
 Balearic Islands → 6: 215
 Bibliometrics → 5: 63
 Bicyclic ethers → 6: 155
 Bilingualism → 6: 21
 Bioavailability → 6: 193
 Biocontainment → 6: 99
 Biodistribution → 4: 171, 213
 Biofilms → 5: 55, 85
 Bioinformatics → 6: 133
 Biological evolution → 5: 161
 Biological membrane → 4: 11
 Biomedicine → 5: 177
 Biosafety → 6: 99
 Biosecurity → 6: 99
 Biosensor → 4: 43
 Biosynthetic pathways → 5: 95
 Brewster angle microscopy → 4: 177
 Burgess Shale fauna → 5: 183
- Cambrian** evolutionary explosion → 5: 183
 Canary Islands → 6: 81
 Cancer → 5: 91
 Capacity → 6: 199
 Carbocyclization → 6: 155
 Carbon nanotubes → 4: 187, 193
 Catalan scientific incunabula → 6: 59
 Catalonia → 6: 81, 215
 Catalonia and the sciences → 6: 35
 Charge displacement → 6: 161
 Charles Darwin → 5: 11, 17, 133,
 177, 183, 193, 199
 Charred grains → 4: 21
 Chemical elements → 5: 133
 Chemistry → 6: 215
 Chloride balance → 6: 81
 Chronostratigraphy → 5: 41
 Circulation of knowledge → 5: 141
 Compatible solutes → 5: 95
 Computational biology → 6: 133
 Computational chemistry → 6: 133
 Conductance → 4: 203
 Conjugated polymers → 4: 187
 Converging technologies → 6: 173
 Crystal structure → 4: 157
 Cyclizations → 6: 143
- Darwin's** "improvements" → 5: 183
Darwin's Autobiography → 5: 17
 Death receptors → 4: 33
 Degradation products → 6: 193
 Deprotection → 6: 155
 Development → 6: 75
 DNA biosensors → 6: 173
 Discovery of electricity → 5: 115
- Economy** models of publication → 5: 107
 Effective mass theory → 4: 203
 Electrodiffusion → 4: 11
 Electronic states → 4: 203
 Emergence of antibiotics resistance → 5: 71
 Emerging contaminants → 6: 193
 Emma Wedgwood (Emma Darwin) → 5: 17
 Engineering in Catalonia in
 the 19th century → 5: 147
 Enlightenment → 5: 115
 Environmental monitoring → 6: 193
 Enynes → 6: 143
 European mercantile arithmetic in
 the 15th century → 6: 59
 European microbiology → 5: 71
 Evolution → 5: 11, 133
 Evolutionism → 5: 199
- FAIM** → 4: 33
 FEMS → 5: 71
 Flexible sensors → 4: 193
 Food residues → 6: 173
 Force spectroscopy → 4: 177
 Fossil record → 5: 183
 Francesc Santcliment → 6: 59
 Freeze-drying → 4: 223
- Gaia** → 5: 11
 Galaxy → 6: 11
 Gene horizontal transfer → 5: 85
 Geometry → 6: 27
 Gerona Beatus → 6: 41
 Giuseppe Veratti → 5: 115
 Gold → 6: 143
 Gold nanoparticles → 6: 173
 Golden road → 5: 107
 Grape composition → 6: 115
 Graphite microparticles → 6: 173
 GSSP (Global Boundary Stratotype Section
 and Point) → 5: 41
 Guidelines → 6: 99
- Harmful** Algal Bloom (HAB) → 4: 43
 History of life → 5: 183
 History of science → 5: 115, 133, 141
 History of the Earth → 5: 41
 Human evolution → 5: 169
 Human impact on Earth → 5: 11
 Human impact on fisheries → 5: 25
 Hydrophobic and hydrophilic interactions at
 molecular level → 4: 141
 Hyperboloids → 6: 41
- IAEA** (Vienna) → 5: 77
Ictineu → 5: 147
 Immunosensors → 6: 173
- Impact Factor → 5: 63
 Information science → 6: 75
 Information society → 5: 177
 Innovation → 6: 75
 Interlinguistic distance → 6: 21
 Ion channel → 4: 11
 Ionic selectivity → 4: 11
 Irrigation → 6: 115
 Islam → 5: 141
- Johannes** Kepler → 6: 27
 Josep Llimona → 6: 35
 Josep Puig i Cadafalch → 6: 35
- Kepler's** Conjecture → 6: 27
- Langmuir** monolayer → 4: 177
 Langmuir-Blodgett film → 4: 177
 Late Holocene → 4: 21
 Lateral force microscopy → 4: 177
 Laura Bassi → 5: 115
 Lethal mutagenesis → 5: 161
 Library of Catalonia → 6: 35
 Lifeguard → 4: 33
 Linguistic competition → 6: 21
 Lithiation → 6: 155
- Magnetic** beads → 6: 173
 Marine ecosystems → 5: 25
 Marine toxin → 4: 43
 Media → 5: 177
 Mediterranean → 5: 25
 MERIDIÀ portal → 6: 75
 Micellar liquid chromatography (MLC)
 → 6: 105
 Microbial diversity and activity → 5: 55
 Mixed cobalt-nickel molybdates → 4: 223
 MLC applications in bioanalytical chemistry →
 6: 105
 Modeling and optimization strategies in MLC
 → 6: 105
 Modernism → 6: 49
 Monitoring programme → 4: 43
 Multilayers → 6: 161
- Nanocomposite** materials → 4: 187
 Nanoparticles → 4: 171, 213
 Nanoporous alumina → 4: 219
 Nanostructures → 4: 157
 Narcís Monturiol → 5: 147
 Neanderthal → 5: 169
 Neurons → 4: 33
 Nickel nanoparticles → 6: 155
 Noucentisme → 6: 35
 Nuclear energy → 5: 77
 NW Mediterranean → 4: 21
- Observatory** → 6: 75
 Occupational therapy → 6: 49
 Okadaic acid → 4: 43
On the origin of species → 5: 11, 17
 Open access journals → 5: 107
 Optical materials → 4: 157
 Organolithium compounds → 6: 155

- Osmoadaptation → 5: 95
 Osmoregulation → 5: 95
 Oxidative dehydrogenation → 4: 223
- Paleogenomics** → 5: 169
 Pathogenic bacteria → 6: 173
 Peaceful use of atomic energy → 5: 77
 Pesticides → 6: 173
 Platinum single crystals → 6: 161
 Potential of zero total charge → 6: 161
 Practical arithmetic in the 15th century → 6: 59
 Precipitation → 4: 21
 Programmed cell death → 5: 55
 Prokaryotic evolution → 5: 95
 Propane → 4: 223
 Propene → 4: 223
- Quantum** wires → 4: 203
 Quasispecies → 5: 161
 Quasispecies dynamics → 5: 161
- R&D&I** → 6: 75
 Rashba interaction → 4: 203
 Rearrangements → 6: 143
 Recharge → 6: 81
 Regenerative medicine → 5: 91
 Research → 6: 75, 215
 Research in biomedicine → 5: 91
 RNA viruses → 5: 161
 Rootstock → 6: 115

- Sant** Boi Mental Hospital → 6: 49
 Sant Joan de Deu Health Care Complex in Sant Boi de Llobregat → 6: 41
 Scanning probe microscopy (SPM) → 4: 141
 Scanning tunneling microscopy (STM) → 4: 141
Science Citation Index → 5: 63
 Science vs. creationism → 5: 193
 Scientific documentation → 6: 75
 Scientific news coverage → 5: 193
 Sea productivity → 5: 25
 Selectivity → 6: 199
 Self-ordering process → 4: 219
 Shellfish → 4: 43
 Six-cornered snowflakes → 6: 27
 Social commitment of scientists → 5: 147
 Social Darwinism → 5: 199
 Socialization of knowledge → 5: 177
 Sociobiology → 5: 199
 Soft architecture → 6: 49
 Sol-gel methods → 4: 157
 Solid-phase extraction → 6: 199
 Sorbents → 6: 199
 Space astronomy → 6: 11
 Spain → 6: 81
 Spin-orbit coupling → 4: 203
 Spintronics → 4: 203
 Stability studies → 6: 21
 Structures → 6: 41
 Submarine navigation → 5: 147
Summa de l'art d'aritmètica → 6: 59
- Tandem** process → 6: 199
 The Universe → 5: 133
 Theoretical chemistry → 6: 133
 Theory of evolution → 5: 177
 Thin films → 4: 193
 Total synthesis → 6: 143
 Toxicity → 6: 193
 Toxicology → 4: 171, 213
 Transmission spectra → 4: 219
 Transparent and flexible electrodes → 4: 193
 Trehalose synthesis → 5: 95
- Ultrasequencing** → 5: 169
- Valencia** → 6: 215
 Validation → 6: 99
- Water** analysis → 6: 193
 Water availability → 4: 21
 Water on surfaces → 4: 141
 Water stress → 6: 115
 Wood charcoal → 4: 21
- X-ray** diffraction → 4: 157, 219
- Yield** → 6: 115

Paraules clau Index · volums 4, 5, 6

- Àcid** okadaic → 4: 43
 Acoblament espín-òrbita → 4: 203
 Adsorció d'àtoms → 6: 661
 Adsorció d'anions → 6: 661
 Aigua en superfícies → 4: 141
 Al-Andalus → 5: 141
 Al-lergògens → 6: 173
 Alúmina porosa → 4: 219
 Anàlisi d'aigua → 6: 193
 Anodització → 4: 219
 Antibiotics → 6: 173
 Antoni Gaudí → 6: 41, 49
 Aplicacions de MLC en química bioanalítica → 6: 105
 Apoptosi → 4: 33
 Aquífers → 6: 81
 Aritmètica pràctica al segle XV → 6: 59
 Aritmètiques mercantils europees al segle XV → 6: 59
 Arqueologia → 4: 21
 Arquitectura simbòlica → 6: 49
 Arquitectura tova → 6: 49
 Astrometria → 6: 11
 Astronomia des de l'espati → 6: 11
 Astronomia àrab → 5: 141
Autobiografia de Darwin → 5: 17
- Balanç** de clorurs → 6: 81
 Beatus de Girona → 6: 41
 Bibliometria → 5: 63

- Biblioteca de Catalunya → 6: 35
 Bilingüisme → 6: 21
 Biocontenció → 6: 99
 Biodisponibilitat → 6: 193
 Biodistribució → 4: 171, 213
 Biofilms → 5: 55
 Bioinformàtica → 6: 133
 Biologia computacional → 6: 133
 Biomedicina → 5: 177
 Biopel·lícules → 5: 85
 Bioprotecció → 6: 99
 Bioseguretat → 6: 99
 Biosensor → 4: 43
 Biosensors de DNA → 6: 173
- Cables** quàntics → 4: 203
 Canal iònic → 4: 11
 Càncer → 5: 91
 Capacitat → 6: 199
 Capes primes → 4: 193
 Carbocilització → 6: 155
 Catalunya → 6: 81
 Catalunya i les ciències → 6: 35
 Charles Darwin → 5: 11, 17, 133, 177, 183, 193, 199
 Ciclitzacions → 6: 143
 Ciència vs. creacionisme → 5: 193
 Circulació de coneixements → 5: 141
 Compètencia lingüística → 6: 21

- Composició del raïm → 6: 115
 Compostos organolítics → 6: 155
 Compromís social dels científics → 5: 147
 Conductància → 4: 203
 Conjectura de Kepler → 6: 27
 Contaminants emergents → 6: 193
 Cromatografia líquida micel·lar (MLC) → 6: 105
 Cronoestratigrafia → 5: 41
- Darwinisme** social → 5: 199
 Descobriment de l'electricitat → 5: 115
 Desenvolupament → 6: 75
 Deshidrogenació oxidativa → 4: 223
 Desplaçament de càrregues → 6: 161
 Determinació analítica → 6: 199
 Desprotecció → 6: 155
 Difracció de raigs X → 4: 157, 219
 Dinàmica de quasiespècies → 5: 161
 Directrius → 6: 99
 Disponibilitat hídrica → 4: 21
 Distància interlingüística → 6: 21
 Diversitat i activitat microbianes → 5: 55
 Documentació → 6: 75
 Documentació científica → 6: 75
- Ecosistemes** marins → 5: 25
 Elèctrodes transparents i flexibles → 4: 193
 Electrodifusió → 4: 11
 Elements químics → 5: 133

Emergència de la resistència a antibòtics → 5: 71
Emma Wedgwood (Emma Darwin) → 5: 17
Energia nuclear → 5: 77
Enins → 6: 143
Enginyeria a Catalunya al segle XIX → 5: 147
Ergoteràpia → 6: 49
Espanya → 6: 81
Espectre de transmission → 4: 219
Espectroscòpia de forces → 4: 177
Espinòtrònica → 4: 203
Estats electronics → 4: 203
Estratègies de modelització i optimització en MLC → 6: 105
Estrès hidràtic → 6: 115
Estructura bacteriana → 5: 55
Estructura cristal-línia → 4: 157
Estructures → 6: 41
Estudi d'estabilitat → 6: 21
Èters bicíclics → 6: 155
Evolució → 5: 11, 133
Evolució biològica → 5: 161
Evolució humana → 5: 169
Evolució procariota → 5: 95
Evolucionisme → 5: 199
Exploració càmbrica → 5: 183
Extracció en fase sòlida → 6: 199

Factor d'impacte → 5: 63
FAIM → 4: 33
Fauna dels esquistos de Burgess (*Burgess Shale*) → 5: 183
FEMS → 5: 71
Floc de neu de sis punts → 6: 27
Floració d'algues nocives (FAN) → 4: 43
Francesc Santcliment → 6: 59
Fustes carbonitzades → 4: 21

Gaia → 5: 11
Galàxia → 6: 11
Geometria → 6: 27
Giuseppe Veratti → 5: 115
Granes carbonitzades → 4: 21
GSSP ("secció i punt d'estratotip límit global") → 5: 41

Hiperboloid → 6: 41
Història de la ciència → 5: 115, 133, 141
Història de la Terra → 5: 41
Història de la vida → 5: 183
Holocè tardà → 4: 21
Hospital Psiquiàtric de Sant Boi → 6: 49

IAEA (Viena) → 5: 77
Ictineu → 5: 147
Illes Balears → 6: 215
Illes Canàries → 6: 81
Immunosensors → 6: 173
Impacte dels humans a la Terra → 5: 11
Impacte dels humans en la pesca → 5: 25
Incunables científics catalans → 6: 59
Innovació → 6: 75
Interacció de Rashba → 4: 203
Interaccions hidrofòbiques i hidrofiliques a nivell molecular → 4: 141
Irrigació → 6: 115
Islam → 5: 141
Isoterma pressió superficial-àrea → 4: 177

Johannes Kepler → 6: 27
Josep Llimona → 6: 35
Josep Puig i Cadafalch → 6: 35

L'origen de les espècies → 5: 11, 17
L'Univers → 5: 133
Laura Bassi → 5: 115
Les "millors" de Darwin → 5: 183
LFG → 4: 33
Liofilització → 4: 223
Litiació → 6: 155

Marisc → 4: 43
Materials òptics → 4: 157
Medicina regenerativa → 5: 91
Mediterrània → 5: 25
Membrana biològica → 4: 11
Mètodes sol-gel → 4: 157
Microbiologia europea → 5: 71
Microscòpia d'angle de Brewster → 4: 177
Microscòpia d'efecte túnel (STM) → 4: 141
Microscòpia de força atòmica (AFM) → 4: 141, 177
Microscòpia de força lateral → 4: 177
Microscòpia de sonda de rastreig (SPM) → 4: 141
Mitjans de comunicació → 5: 177
Micropartícules de grafit → 6: 173
Models de finançament → 5: 107
Modernisme → 6: 49
Molibdats mixtos de cobalt i níquel → 4: 223
Monitoratge ambiental → 6: 193
Monocapa de Langmuir → 4: 177
Monocristalls de platí → 6: 161
Mort cel·lular programada → 5: 55
Multicapes → 6: 161
Mutagènesi letal → 5: 161

Nanocompostos → 4: 187
Nanoestructures → 4: 157
Nanopartícules → 4: 171, 213
Nanopartícules de níquel → 6: 155
Nanopartícules d'or → 6: 173
Nanotubs de carboni → 4: 187, 193
Narcís Monturiol → 5: 147
Navegació submarina → 5: 147
Neanderthal → 5: 169
Neurones → 4: 33
Nord-oest de la Mediterrània → 4: 21
Noucentisme → 6: 35

Observatori → 6: 75
Or → 6: 143
Osmoadaptació → 5: 95
Osmoregulació → 5: 95

País Valencià → 6: 215
Paleogenòmica → 5: 169
Parc Sanitari Sant Joan de Déu de Sant Boi de Llobregat → 6: 41
Partícules magnètiques → 6: 173
Patògens bacterians → 6: 173
Pel·lícula Langmuir-Bloggett → 4: 177
Plaguicides → 6: 173
Polímers conjugats → 4: 187
Portaempelt → 6: 115

Portal MERIDIÀ → 6: 75
Porus bacterians → 4: 11
Potencial de càrrega total zero → 6: 161
Precipitació → 4: 21
Procés d'autoordenació → 4: 219
Processos en tàndem → 6: 143
Productes de degradació → 6: 193
Productivitat marina → 5: 25
Programa de seguiment → 4: 43
Propà → 4: 223
Propè → 4: 223

Quasiespècies → 5: 161
Química → 6: 215
Química computacional → 6: 133
Química teòrica → 6: 133

R+D+I → 6: 75
Recàrrega → 6: 81
Receptors de mort → 4: 33
Recerca → 6: 75, 215
Recerca en biomedicina → 5: 91
Registre fòssil → 5: 183
Rendiment → 6: 115
Reordenament → 6: 143
Residus alimentaris → 6: 173
Resistència als antibòtics → 5: 85
Revistes d'accés lliure → 5: 107
Rutes biosintètiques → 5: 95

Science Citation Index → 5: 63
Selectivitat → 6: 199
Selectivitat iònica → 4: 11
Sensors flexibles → 4: 193
Síntesi de trehalosa → 5: 95
Síntesi total → 6: 143
Sociabilització del coneixement → 5: 177
Societat de la informació → 5: 177
Sociobiologia → 5: 199
Soluts compatibles → 5: 95
Sorbents → 6: 199
Suma de la art de aritmètica → 6: 59

Tecnologies convergents → 6: 173
Teoria de l'evolució → 5: 177
Teoria de massa efectiva → 4: 203
Toxicologia → 4: 171, 213
Toxicitat → 6: 173
Toxina marina → 4: 43
Tractament informatiu científic → 5: 193
Transferència gènica horitzontal → 5: 85

Ultrasequènciació → 5: 169
Ús pacífic de l'energia atòmica → 5: 77

Validació → 6: 99
Via daurada → 5: 107
Virus RNA → 5: 161