

	AUTORES	TÍTULO	FUENTE	CITAS
1	Chinchilla R. Nájera C.	The Sonogashira reaction: A booming methodology in synthetic organic chemistry	Chemical Reviews	2023
2	Thommes M. Kaneko K. Neimark A.V. Olivier J.P. Rodríguez-Reinoso F. Rouquerol J. Sing K.S.W.	Physisorption of gases with special reference to the evaluation of surface area and pore size distribution (IUPAC Technical Report)	Pure and Applied Chemistry	1865
3	Götz S. García-Gómez J.M. Terol J. Williams T.D. Nagaraj S.H. Nueda M.J. Robles M. Talón M. Dopazo J. Conesa A.	High-throughput functional annotation and data mining with the Blast2GO suite	Nucleic Acids Research	1512
4	Ramón D.J. Yus M.	Asymmetric multicomponent reactions (AMCRs): The new frontier	Angewandte Chemie - International Edition	1471
5	Alonso F. Beletskaya I.P. Yus M.	Transition-metal-catalyzed addition of heteroatom-hydrogen bonds to alkynes	Chemical Reviews	1284
6	Müller T.E. Hultsch K.C. Yus M. Foubelo F. Tada M.	Hydroamination: Direct addition of amines to Alkenes and Alkynes	Chemical Reviews	1222
7	Rodríguez-Reinoso F.	The role of carbon materials in heterogeneous catalysis	Carbon	1208
8	Marsh H. Rodríguez-Reinoso F.	Activated Carbon	Activated Carbon	1090
9	Makarova K.S. Haft D.H. Barrangou R. Brouns S.J.J. Charpentier E. Horvath P. Moineau S. Mojica F.J.M. Wolf Y.I. Yakunin A.F. Van Der Oost J. Koonin E.V.	Evolution and classification of the CRISPR-Cas systems	Nature Reviews Microbiology	1058
10	Chinchilla R. Nájera C.	Recent advances in Sonogashira reactions	Chemical Society Reviews	815
11	Rodríguez R.C. Ortiz C. Berenguer-Murcia A. Torres R. Fernández-Lafuente R.	Modifying enzyme activity and selectivity by immobilization	Chemical Society Reviews	800

12	Almaşi D. Alonso D.A. Nájera C.	Organocatalytic asymmetric conjugate additions	Tetrahedron Asymmetry	789
13	García-Galan C. Berenguer-Murcia A. Fernandez-Lafuente R. Rodrigues R.C.	Potential of different enzyme immobilization strategies to improve enzyme performance	Advanced Synthesis and Catalysis	729
14	Guillena G. Ramón D.J. Yus M.	Hydrogen autotransfer in the N-alkylation of amines and related compounds using alcohols and amines as electrophiles	Chemical Reviews	698
15	Ponce de León C. Frías-Ferrer A. González-García J. Szánto D.A. Walsh F.C.	Redox flow cells for energy conversion	Journal of Power Sources	681
16	Mora-Seró I. Giménez S. Fabregat-Santiago F. Gómez R. Shen Q. Toyoda T. Bisquert J.	Recombination in quantum dot sensitized solar cells	Accounts of Chemical Research	639
17	Lillo-Ródenas M.A. Cazorla-Amorós D. Linares-Solano A.	Understanding chemical reactions between carbons and NaOH and KOH: An insight into the chemical activation mechanism	Carbon	624
18	Mojica F.J.M. Díez-Villaseñor C. García-Martínez J. Almendros C.	Short motif sequences determine the targets of the prokaryotic CRISPR defence system	Microbiology	605
19	Crossley P.H. Martinez S. Martin G.R.	Midbrain development induced by FGF8 in the chick embryo	Nature	591
20	Makarova K.S. Wolf Y.I. Alkhnbashi O.S. Costa F. Shah S.A. Saunders S.J. Barrangou R. Brouns S.J.J. Charpentier E. Haft D.H. Horvath P. Moineau S. Mojica F.J.M. Terns R.M. Terns M.P. White M.F. Yakunin A.F. Garrett R.A. Van Der Oost J. Backofen R. Koonin E.V.	An updated evolutionary classification of CRISPR-Cas systems	Nature Reviews Microbiology	587

21	Alonso F. Beletskaya I.P. Yus M.	Metal-mediated reductive hydrodehalogenation of organic halides	Chemical Reviews	573
22	Herrero E. Buller L.J. Abruña H.D.	Underpotential deposition at single crystal surfaces of Au Pt Ag and other materials	Chemical Reviews	526
23	Fernández-Rossier J. Palacios J.J.	Magnetism in graphene nanoislands	Physical Review Letters	509
24	Alonso F. Beletskaya I.P. Yus M.	Non-conventional methodologies for transition-metal catalysed carbon-carbon coupling: a critical overview. Part 2: The Suzuki reaction	Tetrahedron	500
25	Lozano-Castelló D. Lillo-Ródenas M.A. Cazorla-Amorós D. Linares-Solano A.	Preparation of activated carbons from Spanish anthracite - I. Activation by KOH	Carbon	498
26	Iniesta J. Michaud P.A. Panizza M. Cerisola G. Aldaz A. Comninellis C.H.	Electrochemical oxidation of phenol at boron-doped diamond electrode	Electrochimica Acta	489
27	Nájera C. Sansano J.M.	Catalytic asymmetric synthesis of α -amino acids	Chemical Reviews	469
28	Serrano-Ruiz J.C. Dumesic J.A.	Catalytic routes for the conversion of biomass into liquid hydrocarbon transportation fuels	Energy and Environmental Science	468
29	Rzepka M. Lamp P. De La Casa-Lillo M.A.	Physisorption of hydrogen on microporous carbon and carbon nanotubes	Journal of Physical Chemistry B	455
30	Alonso F. Beletskaya I.P. Yus M.	Non-conventional methodologies for transition-metal catalysed carbon-carbon coupling: A critical overview. Part 1: The Heck reaction	Tetrahedron	438
31	Guimerà R. Díaz-Guilera A. Vega-Redondo F. Cabrales A. Arenas A.	Optimal Network Topologies for Local Search with Congestion	Physical Review Letters	436
32	Botella L. Nájera C.	A convenient oxime-carbapalladacycle-catalyzed suzuki cross-coupling of aryl chlorides in water	Angewandte Chemie - International Edition	424

33	Herrera R.P. Sgarzani V. Bernardi L. Ricci A.	Catalytic enantioselective Friedel-Crafts alkylation of indoles with nitroalkenes by using a simple thiourea organocatalyst	Angewandte Chemie - International Edition	409
34	Raymundo-Piñero E. Azais P. Cacciaguerra T. Cazorla-Amorós D. Linares-Solano A. Béguin F.	KOH and NaOH activation mechanisms of multiwalled carbon nanotubes with different structural organisation	Carbon	393
35	Rodríguez-Reinoso F. Molina-Sabio M. González M.T.	The use of steam and CO ₂ as activating agents in the preparation of activated carbons	Carbon	392
36	Guillena G. Nájera C. Ramón D.J.	Enantioselective direct aldol reaction: the blossoming of modern organocatalysis	Tetrahedron Asymmetry	391
37	Rodríguez-Reinoso F. Molina-Sabio M.	Activated carbons from lignocellulosic materials by chemical and/or physical activation: an overview	Carbon	388
38	Chinchilla R. Nájera C.	Chemicals from alkynes with palladium catalysts	Chemical Reviews	379
39	Almagro L. Gómez Ros L.V. Belchi-Navarro S. Bru R. Ros Barceló A. Pedreño M.A.	Class III peroxidases in plant defence reactions	Journal of Experimental Botany	376
40	Guillena G. Ramón D.J. Yus M.	Alcohols as electrophiles in C-C bond-forming reactions: The hydrogen autotransfer process	Angewandte Chemie - International Edition	360
41	Garrido J. Linares-solano A. Martin-Martínez J.M. Molina-Sabio M. Rodríguez-Reinoso F. Torregrosa R.	Use of N ₂ vs : CO ₂ in the Characterization of Activated Carbons	Langmuir	349
42	Molina-Sabio M. Rodríguez-Reinoso F.	Role of chemical activation in the development of carbon porosity	Colloids and Surfaces A: Physicochemical and Engineering Aspects	341
43	Ferrando A. Silvestre E. Andrés P. Miret J.J. Andrés M.V.	Designing the properties of dispersion-flattened photonic crystal fibers	Optics Express	338

	Claudet J. Osenberg C.W. Benedetti-Cecchi L. Domenici P. García-Charton J.-A. Pérez- Ruzafa A. Badalamenti F. Bayle-Sempere J. Brito A. Bulleri F. Culioli J.-M. Dimech M. Falcón J.M. Guala I. Milazzo M. Sánchez- Meca J. Somerfield P.J. Stobart B.			
44	Vandeperre F. Valle C. Planes S.	Marine reserves: Size and age do matter	Ecology Letters	336
		Influence of pore structure and surface chemistry on electric double layer capacitance in non-aqueous electrolyte	Carbon	334
45	Lozano-Castelló D. Cazorla-Amorós D. Linares Solano A. Shiraishi S. Kurihara H. Oya A.			
46	Zenetos A. Gofas S. Verlaque M. Çinar M.E. García Raso J.G. Bianchi C.N. Morri C. Azzurro E. Bilecenoglu M. Froglija C. Siokou I. Violanti D. Sfriso A. San Martín G. Giangrande A. Katağan T. Ballesteros E. Ramos-Esplá A. Mastrototaro F. Ocaña O. Zingone A. Gambi M.C. Streftaris N.	Alien species in the Mediterranean Sea by 2010. A contribution to the application of European Union's Marine Strategy Framework Directive (MSFD). Part I. Spatial distribution	Mediterranean Marine Science	330
47	Batten S.R. Champness N.R. Chen X.-M. García-Martínez J. Kitagawa S. Öhrström L. O'Keeffe M. Suh M.P. Reedijk J.	Terminology of metal-organic frameworks and coordination polymers (IUPAC recommendations 2013)	Pure and Applied Chemistry	326
48	Yus M. González-Gómez J.C. Foubelo F.	Catalytic enantioselective allylation of carbonyl compounds and imines	Chemical Reviews	325
49	Ballester C. Calvó-Armengol A. Zenou Y.	Who's who in networks. Wanted: The key player	Econometrica	325
50	Caturla F. Molina-Sabio M. Rodríguez- Reinoso F.	Preparation of activated carbon by chemical activation with ZnCl ₂	Carbon	321
51	Guillena G. Ramón D.J. Yus M.	Organocatalytic enantioselective multicomponent reactions (OEMCRs)	Tetrahedron Asymmetry	318

52	A. Jordá-Beneyto M. Suárez-García F. Lozano-Castelló D. Cazorla-Amorós D. Linares-Solano	Hydrogen storage on chemically activated carbons and carbon nanomaterials at high pressures	Carbon	318
53	Giménez S. Mora-Seró I. MacOr L. Guijarro N. Lana-Villarreal T. Gómez R. Diguna L.J. Shen Q. Toyoda T. Bisquert J.	Improving the performance of colloidal quantum-dot-sensitized solar cells	Nanotechnology	315
54	Palacios J.J. Fernández-Rossier J. Brey L.	Vacancy-induced magnetism in graphene and graphene ribbons	Physical Review B - Condensed Matter and Materials Physics	314
55	Nájera C. Yus M.	Desulfonylation reactions: Recent developments	Tetrahedron	314
56	Cazorla-Amorós D. Alcañiz-Monge J. Linares-Solano A.	Characterization of activated carbon fibers by CO ₂ adsorption	Langmuir	311
57	Lillo-Ródenas M.A. Cazorla-Amorós D. Linares-Solano A.	Behaviour of activated carbons with different pore size distributions and surface oxygen groups for benzene and toluene adsorption at low concentrations	Carbon	308
58	Wassarman K.M. Lewandoski M. Campbell K. Joyner A.L. Rubenstein J.L.R. Martinez S. Martin G.R.	Specification of the anterior hindbrain and establishment of a normal mid/hindbrain organizer is dependent on Gbx2 gene function	Development	306
59	Cazorla-Amorós D. Alcañiz-Monge J. De La Casa-Lillo M.A. Linares-Solano A.	CO ₂ as an adsorptive to characterize carbon molecular sieves and activated carbons	Langmuir	302
60	Lozano-Castelló D. Alcañiz-Monge J. De La Casa-Lillo M.A. Cazorla-Amorós D. Linares-Solano A.	Advances in the study of methane storage in porous carbonaceous materials	Fuel	301
61	Santos R.M. Rosario L.M. Nadal A. Garcia-Sancho J. Soria B. Valdeolmillos M.	Widespread synchronous [Ca ²⁺] _i oscillations due to bursting electrical activity in single pancreatic islets	Pflügers Archiv European Journal of Physiology	291

62	Chinchilla R. Nájera C. Yus M.	Metalated heterocycles and their applications in synthetic organic chemistry	Chemical Reviews	287
63	Lebedeva N.P. Koper M.T.M. Feliu J.M. Van Santen R.A.	Role of crystalline defects in electrocatalysis: Mechanism and kinetics of CO adlayer oxidation on stepped platinum electrodes	Journal of Physical Chemistry B	287
64	Nájera C. Gil-Moltó J. Karlström S. Falvello L.R.	Di-2-pyridylmethylamine-based palladium complexes as new catalysts for Heck Suzuki and Sonogashira reactions in organic and aqueous solvents	Organic Letters	281
65	Raymundo-Piñero E. Cazorla-Amorós D. Linares-Solano A. Find J. Wild U. Schlögl R.	Structural characterization of N-containing activated carbon fibers prepared from a low softening point petroleum pitch and a melamine resin	Carbon	281
66	Nájera C. Sansano J.M.	Catalytic enantioselective 1,3-dipolar cycloaddition reaction of azomethine ylides and alkenes: The direct strategy to prepare enantioenriched highly substituted proline derivatives	Angewandte Chemie - International Edition	279
67	Nájera C. Sansano J.M.	Azomethine ylides in organic synthesis	Current Organic Chemistry	279
68	Barbosa O. Ortiz C. Berenguer-Murcia A. Torres R. Rodrigues R.C. Fernandez-Lafuente R.	Glutaraldehyde in bio-catalysts design: A useful crosslinker and a versatile tool in enzyme immobilization	RSC Advances	273
69	Maestre F.T. Bautista S. Cortina J.	Positive negative and net effects in grass-shrub interactions in Mediterranean semiarid grasslands	Ecology	273

	Zenetos A. Gofas S. Morri C. Rosso A. Violanti D. García Raso J.E. Çinar M.E. Almogi-Labin A. Ates A.S. Azzurro E. Ballesteros E. Bianchi C.N. Bilecenoglu M. Gambi M.C. Giangrande A. Gravili C. Hyams-Kaphzan O. Karachle P.K. Katsanevakis S. Lipej L. Mastrototaro F. Mineur F. Pancucci-Papadopoulou M.A. Ramos Esplá A. Salas C. San Martín G. Sfriso A. Streftaris N. Verlaque M.	Alien species in the Mediterranean Sea by 2012. A contribution to the application of European Union's Marine Strategy Framework Directive (MSFD). Part 2. Introduction trends and pathways	Mediterranean Marine Science	269
70	Bleda-Martínez M.J. Maciá-Agulló J.A. Lozano- Castelló D. Morallón E. Cazorla-Amorós D. Linares-Solano A.	Role of surface chemistry on electric double layer capacitance of carbon materials	Carbon	267
71		Enantioselective α -heterofunctionalisation of carbonyl compounds: organocatalysis is the simplest approach	Tetrahedron Asymmetry	266
72	Guillena G. Ramón D.J.			
73	Acinas S.G. Antón J. Rodríguez-Valera F.	Diversity of free-living and attached bacteria in offshore western Mediterranean waters as depicted by analysis of genes encoding 16S rRNA	Applied and Environmental Microbiology	265
74	Koãmider K. Fernández-Rossier J.	Electronic properties of the MoS ₂ -WS ₂ heterojunction	Physical Review B - Condensed Matter and Materials Physics	263
75	Lopez-Sanchez J.M. Fortuny-Guasch J.	3-D radar imaging using range migration techniques	IEEE Transactions on Antennas and Propagation	259
76	Batten S.R. Champness N.R. Chen X.-M. Garcia-Martinez J. Kitagawa S. Öhrström L. O'Keeffe M. Suh M.P. Reedijk J.	Coordination polymers metal-organic frameworks and the need for terminology guidelines	CrystEngComm	257

77	Antón J. Oren A. Benlloch S. Rodríguez-Valera F. Amann R. Rosselló-Mora R.	Salinibacter ruber gen. nov. sp. nov. a novel extremely halophilic member of the Bacteria from saltern crystallizer ponds	International Journal of Systematic and Evolutionary Microbiology	256
78	Maestre F.T. Cortina J.	Do positive interactions increase with abiotic stress? A test from a semi-arid steppe	Proceedings of the Royal Society B: Biological Sciences	252
79	Alonso D.A. Nájera C. Pacheco M.C.	Oxime palladacycles: Stable and efficient catalysts for carbon-carbon coupling reactions	Organic Letters	250
80	Serrano E. Rus G. García-Martínez J.	Nanotechnology for sustainable energy	Renewable and Sustainable Energy Reviews	249
81	Solla-Gullón J. Rodríguez P. Herrero E. Aldaz A. Feliu J.M.	Surface characterization of platinum electrodes	Physical Chemistry Chemical Physics	249
82	Hernández-Cruz A. Sala F. Adams P.R.	Subcellular calcium transients visualized by confocal microscopy in a voltage-clamped vertebrate neuron	Science	246
83	Mojica F.J.M. Díez-Villaseñor C. Soria E. Juez G.	Biological significance of a family of regularly spaced repeats in the genomes of Archaea Bacteria and mitochondria	Molecular Microbiology	245
84	De La Casa-Lillo M.A. Lamari-Darkrim F. Cazorla-Amorós D. Linares-Solano A.	Hydrogen storage in activated carbons and activated carbon fibers	Journal of Physical Chemistry B	243
85	Vega-Redondo F.	Complex social networks	Complex Social Networks	242
86	Lillo-Ródenas M.A. Juan-Juan J. Cazorla-Amorós D. Linares-Solano A.	About reactions occurring during chemical activation with hydroxides	Carbon	242
87	Maciá M.D. Campiña J.M. Herrero E. Feliu J.M.	On the kinetics of oxygen reduction on platinum stepped surfaces in acidic media	Journal of Electroanalytical Chemistry	241
88	Yus M.	Arene-catalysed lithiation reactions	Chemical Society Reviews	241

89	Coronado E. Galán-Mascarós J.R. Monrabal-Capilla M. García-Martínez J. Pardo-Ibáñez P.	Bistable spin-crossover nanoparticles showing magnetic thermal hysteresis near room temperature	Advanced Materials	240
90	Clavilier J. Feliu J.M. Aldaz A.	An irreversible structure sensitive adsorption step in bismuth underpotential deposition at platinum electrodes	Journal of Electroanalytical Chemistry	239
91	Vega-Redondo F.	The evolution of walrasian behavior	Econometrica	238
92	Prado-Burguete C. Linares-Solano A. Rodríguez-Reinoso F. de Lecea C.S.-M.	The effect of oxygen surface groups of the support on platinum dispersion in Pt/carbon catalysts	Journal of Catalysis	237
93	Alonso D.A. Nájera C. Pacheco M.C.	Highly active oxime-derived palladacycle complexes for Suzuki-Miyaura and Ullmann-type coupling reactions	Journal of Organic Chemistry	235
94	Acién P.	Incidence of Mullerian defects in fertile and infertile women	Human Reproduction	234
95	Kuzume A. Herrero E. Feliu J.M.	Oxygen reduction on stepped platinum surfaces in acidic media	Journal of Electroanalytical Chemistry	233
96	Muñoz-Rojas F. Fernández-Rossier J. Palacios J.J.	Giant magnetoresistance in ultrasmall graphene based devices	Physical Review Letters	231
97	Barbosa O. Torres R. Ortiz C. Berenguer-Murcia A. Rodrigues R.C. Fernandez-Lafuente R.	Heterofunctional supports in enzyme immobilization: From traditional immobilization protocols to opportunities in tuning enzyme properties	Biomacromolecules	228
98	Spassky N. Goujet-Zalc C. Parmantier E. Olivier C. Martinez S. Ivanova A. Ikenaka K. Macklin W. Cerruti I. Zalc B. Thomas J.-L.	Multiple restricted origin of oligodendrocytes	Journal of Neuroscience	226
99	Lillo-Ródenas M.A. Lozano-Castelló D. Cazorla-Amorós D. Linares-Solano A.	Preparation of activated carbons from Spanish anthracite - II. Activation by NaOH	Carbon	225

100	Vidal L. Riekkola M.-L. Canals A.	Ionic liquid-modified materials for solid-phase extraction and separation: A review	Analytica Chimica Acta	224
101	Azais P. Duclaux L. Florian P. Massiot D. Lillo-Rodenas M.-A. Linares-Solano A. Peres J.-P. Jehoulet C. Béguin F.	Causes of supercapacitors ageing in organic electrolyte	Journal of Power Sources	224
102	Miquel J. Bernd A. Sempere J.M Díaz-Alperi J. Ramírez A.	The curcuma antioxidants: Pharmacological effects and prospects for future clinical use. A review	Archives of Gerontology and Geriatrics	224
103	García A.G. Sala F. Reig J.A. Viniegra S. Frías J. Fontérez R. Gandía L.	Dihydropyridine BAY-K-8644 activates chromaffin cell calcium channels	Nature	224
104	Bortz D.R. Heras E.G. Martin-Gullon I.	Impressive fatigue life and fracture toughness improvements in graphene oxide/epoxy composites	Macromolecules	223
105	San-José-Alonso D. Juan-Juan J. Illán-Gómez M.J. Román-Martínez M.C.	Ni Co and bimetallic Ni-Co catalysts for the dry reforming of methane	Applied Catalysis A: General	223
106	Barbosa O. Ortiz C. Berenguer-Murcia Á. Torres R. Rodrigues R.C. Fernandez-Lafuente R.	Strategies for the one-step immobilization-purification of enzymes as industrial biocatalysts	Biotechnology Advances	222
107	Lozano-Castelló D. Cazorla-Amorós D. Linares-Solano A.	Usefulness of CO ₂ adsorption at 273 K for the characterization of porous carbons	Carbon	219
108	Fortunati E. Peltzer M. Armentano I. Torre L. Jiménez A. Kenny J.M.	Effects of modified cellulose nanocrystals on the barrier and migration properties of PLA nano-biocomposites	Carbohydrate Polymers	218
109	Balashov S.P. Imasheva E.S. Boichenko V.A. Antón J. Wang J.M. Lanyi J.K.	Biochemistry - Xanthorhodopsin: A proton pump with a light-harvesting carotenoid antenna	Science	218
110	Pausas J.G. Bladé C. Valdecantos A. Seva J.P. Fuentes D. Alloza J.A. Vilagrosa A. Bautista S. Cortina J. Vallejo R.	Pines and oaks in the restoration of Mediterranean landscapes of Spain: New perspectives for an old practice - A review	Plant Ecology	218

111	Molina-Azorín J.F. Claver-Cortés E. López-Gamero M.D. Tarí J.J.	Green management and financial performance: A literature review	Management Decision	217
112	Lebedeva N.P. Koper M.T.M. Herrero E. Feliu J.M. Van Santen R.A.	Cooxidation on stepped Pt[n(111)×(111)] electrodes	Journal of Electroanalytical Chemistry	214
113	Molina-Sabio M. González M.T. Rodríguez-Reinoso F. Sepúlveda-Escribano A.	Effect of steam and carbon dioxide activation in the micropore size distribution of activated carbon	Carbon	214
114	Wahby A. Ramos-Fernández J.M. Martínez-Escandell M. Sepúlveda-Escribano A. Silvestre-Albero J. Rodríguez-Reinoso F.	High-surface-area carbon molecular sieves for selective CO ₂ adsorption	ChemSusChem	213
115	Linares N. Silvestre-Albero A.M. Serrano E. Silvestre-Albero J. García-Martínez J.	Mesoporous materials for clean energy technologies	Chemical Society Reviews	209
116	Alonso F. Riente P. Yus M.	Nickel nanoparticles in hydrogen transfer reactions	Accounts of Chemical Research	209
117	Knox Lovell C.A. Pastor J.T. Turner J.A.	Measuring macroeconomic performance in the OECD: A comparison of European and non-European countries	European Journal of Operational Research	209
118	del Toro E.D. Juiz J.M. Peng X. Lindstrom J. Criado M.	Immunocytochemical localization of the $\alpha 7$ subunit of the nicotinic acetylcholine receptor in the rat central nervous system	Journal of Comparative Neurology	209
119	Micó M.L. Oncina J. Vidal E.	A new version of the nearest-neighbour approximating and eliminating search algorithm (AESA) with linear preprocessing time and memory requirements	Pattern Recognition Letters	208
120	Ramón D.J. Yus M.	In the arena of enantioselective synthesis titanium complexes wear the Laurel wreath	Chemical Reviews	207

121	Tejedor F.J. Bokhari A. Rogero O. Gorczyca M. Zhang J. Kim E. Sheng M. Budnik V.	Essential role for <i>dlg</i> in synaptic clustering of Shaker K ⁺ channels in vivo	Journal of Neuroscience	207
122	Antón J. Rosselló-Mora R. Rodríguez-Valera F. Amann R.	Extremely halophilic Bacteria in crystallizer ponds from solar salterns	Applied and Environmental Microbiology	206
123	Mora-Seró I. Giménez S. Moehl T. Fabregat-Santiago F. Lana-Villareal T. Gómez R. Bisquert J.	Factors determining the photovoltaic performance of a CdSe quantum dot sensitized solar cell: The role of the linker molecule and of the counter electrode	Nanotechnology	204
124	Luján-Mora S. Trujillo J. Song I.-Y.	A UML profile for multidimensional modeling in data warehouses	Data and Knowledge Engineering	204
125	Frackowiak E. Delpoux S. Jurewicz K. Szostak K. Cazorla-Amoros D. Béguin F.	Enhanced capacitance of carbon nanotubes through chemical activation	Chemical Physics Letters	203
126	Caballero J.A. Conesa J.A. Font R. Marcilla A.	Pyrolysis kinetics of almond shells and olive stones considering their organic fractions	Journal of Analytical and Applied Pyrolysis	201
127	Botella L. Nájera C.	Cross-coupling reactions with boronic acids in water catalysed by oxime-derived palladacycles	Journal of Organometallic Chemistry	200
128	Maestre F.T. Bautista S. Cortina J. Bellot J.	Potential for using facilitation by grasses to establish shrubs on a semiarid degraded steppe	Ecological Applications	200
129	Rogge S.M.J. Bavykina A. Hajek J. Garcia H. Olivos-Suarez A.I. Sepúlveda-Escribano A. Vimont A. Clet G. Bazin P. Kapteijn F. Daturi M. Ramos-Fernandez E.V. Llabrés Xamena F.X.I. Van Speybroeck V. Gascon J.	Metal-organic and covalent organic frameworks as single-site catalysts	Chemical Society Reviews	197

130	Solla-Gullón J. Vidal-Iglesias F.J. López-Cudero A. Garnier E. Feliu J.M. Aldaz A.	Shape-dependent electrocatalysis: Methanol and formic acid electrooxidation on preferentially oriented Pt nanoparticles	Physical Chemistry Chemical Physics	197
131	Bueno-López A.	Diesel soot combustion ceria catalysts	Applied Catalysis B: Environmental	196
132	Torreblanca M. Rodríguez-Valera F. Juez G. Ventosa A. Kamekura M. Kates M.	Classification of Non-alkaliphilic Halobacteria Based on Numerical Taxonomy and Polar Lipid Composition and Description of Haloarcula gen. nov. and Haloferax gen. nov.	Systematic and Applied Microbiology	196
133	Atribak I. Bueno-López A. García-García A.	Combined removal of diesel soot particulates and NO _x over CeO ₂ -ZrO ₂ mixed oxides	Journal of Catalysis	195
134	Vesaluoma M. Pérez-Santonja J. Petroll W.M. Linna T. Alió J. Tervo T.	Corneal stromal changes induced by myopic LASIK	Investigative Ophthalmology and Visual Science	195
135	Yus M. González-Gómez J.C. Foubelo F.	Diastereoselective allylation of carbonyl compounds and imines: Application to the synthesis of natural products	Chemical Reviews	194
136	Maestre F.T. Cortina J.	Are Pinus halepensis plantations useful as a restoration tool in semiarid Mediterranean areas?	Forest Ecology and Management	194
137	Mas D. Garcia J. Ferreira C. Bernardo L.M. Marinho F.	Fast algorithms for free-space diffraction patterns calculation	Optics Communications	192
138	Ahmadi A. Attard G. Feliu J. Rodes A.	Surface reactivity at 'chiral' platinum surfaces	Langmuir	192
139	Rodríguez R.C. Berenguer-Murcia Á. Fernandez-Lafuente R.	Coupling chemical modification and immobilization to improve the catalytic performance of enzymes	Advanced Synthesis and Catalysis	191
140	Ación P.	Reproductive performance of women with uterine malformations	Human Reproduction	191

141	Carballo M. Conde M. El Bekay R. Martín-Nieto J. Camacho M.J. Monteseirín J. Conde J. Bedoya F.J. Sobrino F.	Oxidative stress triggers STAT3 tyrosine phosphorylation and nuclear translocation in human lymphocytes	Journal of Biological Chemistry	190
142	Pérez-Candela M. Martín-Martínez JosM. Torregrosa-Maciá R.	Chromium(VI) removal with activated carbons	Water Research	190
143	Luna D. Peracchio L.A. De Juan M.D.	Cross-cultural and cognitive aspects of web site navigation	Journal of the Academy of Marketing Science	187
144	Conesa A. Nueda M.J. Ferrer A. Talón M.	maSigPro: A method to identify significantly differential expression profiles in time-course microarray experiments	Bioinformatics	186
145	Maciá-Agulló J.A. Moore B.C. Cazorla-Amorós D. Linares-Solano A.	Activation of coal tar pitch carbon fibres: Physical activation vs. chemical activation	Carbon	185
146	Alvarez J. Arellano M.	The time series and cross-section asymptotics of dynamic panel data estimators	Econometrica	185
147	Chinchilla R. Nájera C. Sánchez-Agulló P.	Enantiomerically pure guanidine-catalysed asymmetric nitroaldol reaction	Tetrahedron: Asymmetry	184
148	Clavilier J. Albalat R. Gomez R. Orts J.M. Feliu J.M. Aldaz A.	Study of the charge displacement at constant potential during CO adsorption on Pt(110) and Pt(111) electrodes in contact with a perchloric acid solution	Journal of Electroanalytical Chemistry	184
149	Ramos M. Jiménez A. Peltzer M. Garrigós M.C.	Characterization and antimicrobial activity studies of polypropylene films with carvacrol and thymol for active packaging	Journal of Food Engineering	183

150	Tikhonov V.E. Stepnova E.A. Babak V.G. Yamskov I.A. Palma-Guerrero J. Jansson H.-B. Lopez-Llorca L.V. Salinas J. Gerasimenko D.V. Avdienko I.D. Varlamov V.P.	Bactericidal and antifungal activities of a low molecular weight chitosan and its N-/2(3)-(dodec-2-enyl)succinoyl/-derivatives	Carbohydrate Polymers	183
151	Knox Lovell C.A. Pastor J.T.	Units invariant and translation invariant DEA models	Operations Research Letters	183
152	Vidal-Iglesias F.J. Solla-Gullón J. Rodríguez P. Herrero E. Montiel V. Feliu J.M. Aldaz A.	Shape-dependent electrocatalysis: Ammonia oxidation on platinum nanoparticles with preferential (100) surfaces	Electrochemistry Communications	180
153	Solla-Gullón J. Montiel V. Aldaz A. Clavilier J.	Electrochemical characterization of platinum nanoparticles prepared by microemulsion: How to clean them without loss of crystalline surface structure	Journal of Electroanalytical Chemistry	180
154	Abril I. Garcia-Molina R. Denton C.D. Pérez-Pérez F.J. Arista N.R.	Dielectric description of wakes and stopping powers in solids	Physical Review A - Atomic Molecular and Optical Physics	179
155	García-Charton J.A. Pérez-Ruzafa Á. Sánchez-Jerez P. Bayle-Sempere J.T. Reñones O. Moreno D.	Multi-scale spatial heterogeneity habitat structure and the effect of marine reserves on Western Mediterranean rocky reef fish assemblages	Marine Biology	178

	Rejkuba M. Toledo I. Gonzalez O.A. Alonso-García J. Irwin M.J. Gonzalez-Solares E. Hodgkin S.T. Lewis J.R. Cross N. Ivanov V.D. Kerins E. Emerson J.P. Soto M. Amôres E.B. Gurovich S. Dékány I. Angeloni R. Beamin J.C. Catelan M. Padilla N. Zoccali M. Pietrukowicz P. Moni Bidin C. Mauro F. Geisler D. Folkes S.L. Sale S.E. Borissova J. Kurtev R. Ahumada A.V. Alonso M.V. Adamson A. Arias J.I. Bandyopadhyay R.M. Barbá R.H. Barbuy B. Baume G.L. Bedin L.R. Bellini A. Benjamin R. Bica E. Bonatto C. Bronfman L. Carraro G. Chenè A.N. Clariá J.J. Clarke J.R.A. Contreras C. Corvillón A. De Grijs R. Dias B. Drew J.E. Fariña C. Feinstein C. Fernández-Lajús E. Gamen R.C. Gieren W. Goldman B. González-Fernández C. Grand R.J.J. Gunthardt G. Hambly N.C. Hanson M.M. Hełminiak K.G. Hoare M.G. Huckvale L. Jordán A. Kinemuchi K. Longmore A. López-Corredoira M. MacCarone T. Majaess D. Martín E.L. Masetti N. Mennickent R.E. Mirabel I.F. Monaco L. Morelli L. Motta V. Palma T. Parisi M.C. Parker Q. Peñalosa F. Pietrzyński G. Pignata G. Popescu B. Read M.A. Rojas A. Roman-Lopes A. Ruiz M.T. Saviane I. Schreiber M.R. Schröder A.C. Sharma S. Smith M.D. Sodr� L.	VVV DR1: The first data release of the Milky Way bulge and southern plane from the near-infrared ESO public survey VISTA variables in the Vía L�ctea	Astronomy and Astrophysics	177
156	Guijarro N. Campi�a J.M. Shen Q. Toyoda T. Lana-Villarreal T. G�mez R.	Uncovering the role of the ZnS treatment in the performance of quantum dot sensitized solar cells	Physical Chemistry Chemical Physics	177
157	Li K. Valla J. Garcia-Martinez J.	Realizing the commercial potential of hierarchical zeolites: New opportunities in catalytic cracking	ChemCatChem	176
158				

159	Yus M. Nájera C. Foubelo F.	The role of 13-dithianes in natural product synthesis	Tetrahedron	176
160	Sastre J. Pallardó F.V. Plá R. Pellín A. Juan G. O'Connor J.E. Estrela J.M. Miquel J. Viña J.	Aging of the liver: Age-associated mitochondrial damage in intact hepatocytes	Hepatology	176
161	Pérez-Ramírez J. Groen J.C. Brückner A. Kumar M.S. Bentrup U. Debbagh M.N. Villaescusa L.A.	Evolution of isomorphously substituted iron zeolites during activation: Comparison of Fe-beta and Fe-ZSM-5	Journal of Catalysis	175
162	Moretti M. Alfaro P. Caselles O. Canas J.A.	Modelling seismites with a digital shaking table	Tectonophysics	174
163	Waszczuk P. Kim H.-S. Tong Y.Y. Wieckowski A. Solla-Gullón J. Montiel V. Aldaz A.	Methanol electrooxidation on platinum/ruthenium nanoparticle catalysts	Journal of Catalysis	173
164	Román-Martínez M.C. Cazorla-Amorós D. Linares-Solano A. De Lecea C.S.-M. Yamashita H. Anpo M.	Metal-support interaction in Pt/C catalysts. Influence of the support surface chemistry and the metal precursor	Carbon	173
165	Alonso D.A. Nájera C.	Oxime-derived palladacycles as source of palladium nanoparticles	Chemical Society Reviews	172
166	Marín F. Pascual D.A. Roldán V. Arribas J.M. Ahumada M. Tornel P.L. Oliver C. Gómez-Plana J. Lip G.Y.H. Valdés M.	Statins and postoperative risk of atrial fibrillation following coronary artery bypass grafting	American Journal of Cardiology	172
167	Clark J.S. Negueruela I. Crowther P.A. Goodwin S.P.	On the massive stellar population of the super star cluster Westerlund 1	Astronomy and Astrophysics	172
168	Lebedeva N.P. Rodes A. Feliu J.M. Koper M.T.M. Van Santen R.A.	Role of crystalline defects in electrocatalysis: CO adsorption and oxidation on stepped platinum electrodes as studied by in situ infrared spectroscopy	Journal of Physical Chemistry B	172
169	Montilla F. Michaud P.A. Morallón E. Vázquez J.L. Comninellis Ch.	Electrochemical oxidation of benzoic acid at boron-doped diamond electrodes	Electrochimica Acta	172

170	Palacios J.J. Pérez-Jiménez A.J. Louis E. SanFabián E. Vergés J.A.	First-principles approach to electrical transport in atomic-scale nanostructures	Physical Review B - Condensed Matter and Materials Physics	172
171	De Felipe J. Marco P. Fairén A. Jones E.G.	Inhibitory synaptogenesis in mouse somatosensory cortex	Cerebral Cortex	172