



José María Gallardo Fuentes

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Comenzando a finales de los setenta del pasado siglo con investigaciones en el campo de la Pulvimetalurgia, a lo largo de casi 45 años de trabajo se han realizado contribuciones en los campos de la durabilidad de materiales (análisis de fallos, corrosión, restauración de bienes de interés histórico) y, en los últimos años, en asuntos de economía circular relativa a los materiales. En esta última línea, se están dirigiendo o codirigiendo actualmente dos contratos con empresas para los que se han montado sendas plantas pilotos que permitan avanzar el estado de la tecnología a TRL7-8. En la primera de ellas, subvencionada por el programa europeo INTERREG, se trata de valorizar un desecho con elevados contenidos de antimonio y bismuto y está asociada a la realización de una tesis doctoral. En la segunda de ellas, subvencionada en último término por el European Institute of Innovation & Technology, EIT, de la Comisión Europea, se trata de desarrollar un procedimiento de separación de plásticos de los residuos de equipos eléctricos y electrónicos (WEEE), específicamente de los circuitos impresos (PCB) para obtener un concentrado en metales de más fácil tratamiento en la Industria Primaria.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

El solicitante tiene concedidos cinco sexenios de investigación, así como el máximo de puntos imputables por investigación en los tramos autonómicos. Desde el año 2013 se han defendido cinco tesis doctorales dirigidas o codirigidas por el solicitante. En los últimos seis años se han publicado catorce artículos y un capítulo de libro. De estas contribuciones seis los han sido en revistas de vía dorada, dos de vía verde y una de vía híbrida. Diez de las publicaciones anteriores ocupan posiciones prominentes, D1, Q1 o T1 en algunos o varios de los rankings JIF, JCR, SJR, etc. Han sido citadas un total de sesenta veces. De acuerdo a Scopus el índice h es de 12. Una parte muy importante de la producción científica se plasma en los entregables de los contratos con empresas que usualmente se encuentran sujetos a acuerdos de confidencialidad.



José María Gallardo Fuentes

Surname(s): **Gallardo Fuentes**
Name: **José María**
DNI:
Perfil de Dialnet: **329917**
ScopusID: **57216717257**
ORCID: **0000-0002-7007-2259**
ResearcherID: **ABH-7496-2020**
Date of birth:
Gender: **Male**
Nationality: **Spain**
Email:

Current professional situation

Employing entity: Universidad de Sevilla **Type of entity:** University
Department: Ingeniería y Ciencia de los Materiales y del Transporte
Professional category: Catedrático de Universidad
City employing entity: Sevilla, Andalusia, Spain
Start date: 04/02/2000



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Nueva generación de plantas híbridas renovables
Geographical area: National
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Prieto Ríos, Cristina
Nº of researchers: 8
Funding entity or bodies: Ministerio de Ciencia e Innovación
Type of entity: Body, others
Name of the programme: Proyectos de Transición Ecológica y Transición Digital
Code according to the funding entity: TED2021-132216A-I00
Start-End date: 01/12/2022 - 30/11/2024
Duration: 2 years
Total amount: 258.750 €
- 2** **Name of the project:** Modelización FEM de lechadas a base de conglomerantes hidráulicos ultrafinos mediante el modelo de microplanos
Geographical area: Regional
Degree of contribution: Responsable
Name principal investigator (PI, Co-PI....): Gallardo Fuentes, José María
Nº of researchers: 8
Funding entity or bodies: Consejería de Economía, Conocimiento, Empresas y Universidad
Name of the programme: Proyectos I+D+i FEDER Andalucía 2014-2020
Code according to the funding entity: US-1381350
Start-End date: 01/01/2022 - 31/05/2023
Duration: 1 year - 5 months
Total amount: 19.000 €
- 3** **Name of the project:** Fabricación de Materiales Porosos de Base Fe Mediante la Técnica de Solidificación Direccional
Geographical area: National
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Sepúlveda Ferrer, Ranier Enrique
Nº of researchers: 5
Funding entity or bodies: Ministerio de Economía y Competitividad
Name of the programme: Plan Estatal 2013-2016 Excelencia - Proyectos I+D
Code according to the funding entity: MAT2016-76713-P
Start-End date: 30/12/2016 - 29/06/2021
Duration: 4 years - 6 months
Total amount: 78.650 €

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Dictamen sobre reclamación relativa a la patente ES2794298A1
Degree of contribution: Responsable
Name principal investigator (PI, Co-PI....): Gallardo Fuentes, José María
Nº of researchers: 1
Funding entity or bodies:
Cobre las Cruces, S.A.

Name of the programme: Contrato 68/83
Code according to the funding entity: DT-2347/08/2023
Start date: 15/05/2023 **Duration:** 8 months - 1 day
Total amount: 11.520 €
- 2** **Name of the project:** Caracterización TEM fase MAX (Ti, Nb) 2SnC en polvo
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Chicardi Augusto, Ernesto
Nº of researchers: 5
Funding entity or bodies:
Fondo Nacional de Desarrollo científico y Tecnológico y de Innovación Tecnológica

Name of the programme: Contrato 68/83
Code according to the funding entity: AE-2189/08/2022
Start date: 20/05/2022 **Duration:** 6 months - 26 days
Total amount: 1 €
- 3** **Name of the project:** Especificación de materiales para tanques de agitación de planta de yeso
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Sepúlveda Ferrer, Ranier Enrique
Nº of researchers: 7
Funding entity or bodies:
Atlantic Copper, S.A.

Name of the programme: Contrato 68/83
Code according to the funding entity: PI-2063/08/2020
Start date: 22/12/2020 **Duration:** 3 months - 10 days
Total amount: 8.000 €
- 4** **Name of the project:** CONSULTORÍA EN PLANTA Y ESTUDIO POST-MORTEN DE FENÓMENOS DE CORROSIÓN
Degree of contribution: Responsable
Name principal investigator (PI, Co-PI....): Gallardo Fuentes, José María
Nº of researchers: 6
Funding entity or bodies:
Atlantica Yield

Name of the programme: Contrato 68/83
Code according to the funding entity: PI-1975/08/2019
Start date: 15/10/2019 **Duration:** 5 months - 17 days
Total amount: 15.500 €



- 5** **Name of the project:** Ensayos Tribológicos Acero-Grafito
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Muñoz Moreno, Sergio
Nº of researchers: 4
Funding entity or bodies:
virtualmech

Name of the programme: Contrato 68/83
Code according to the funding entity: AE-18925/08/2019
Start date: 31/01/2019 **Duration:** 6 months - 1 day
Total amount: 7.185,48 €
- 6** **Name of the project:** Ensayos de Fatiga en Probetas Soldadas
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Torres Hernández, Yadir
Nº of researchers: 4
Funding entity or bodies:
General Dynamics-Santa Bar

Name of the programme: Contrato 68/83
Code according to the funding entity: AE-1894/08/2019
Start date: 28/01/2019 **Duration:** 5 months - 1 day
Total amount: 9.300 €
- 7** **Name of the project:** Estudios de caracterización en muestras de cobre y cales
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): Paul Escolano, Antonio
Nº of researchers: 5
Funding entity or bodies:
Atlantic Copper, S.A.

Name of the programme: Contrato 68/83
Code according to the funding entity: AE-1816/08/2018
Start date: 01/06/2018 **Duration:** 7 months
Total amount: 7.132 €
- 8** **Name of the project:** Ensayos de corrosión PMR
Degree of contribution: Responsable
Name principal investigator (PI, Co-PI....): Gallardo Fuentes, José María
Nº of researchers: 4
Funding entity or bodies:
Cobre las Cruces, S.A.

Name of the programme: Contrato 68/83
Code according to the funding entity: AE-1823/08/2018
Start date: 01/06/2018 **Duration:** 7 months
Total amount: 55.368 €
- 9** **Name of the project:** Estudio sobre el estado del arte de los fenómenos de deterioro y su mitigación en cátodos de acero inoxidable
Degree of contribution: Responsable
Name principal investigator (PI, Co-PI....): Gallardo Fuentes, José María
Nº of researchers: 2

**Funding entity or bodies:**

Atlantic Copper, S.A.

Name of the programme: Contrato 68/83**Code according to the funding entity:** PI-1808/08/2018**Start date:** 01/05/2018**Duration:** 8 months**Total amount:** 27.200 €

- 10 Name of the project:** Estudio de valorización de residuos y materiales reciclables de la planta de producción de cobre de Huelva

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Paul Escolano, Antonio**Nº of researchers:** 3**Funding entity or bodies:**

Atlantic Copper, S.A. (Huelva)

Name of the programme: Contrato 68/83**Code according to the funding entity:** ES-1809/08/2018**Start date:** 01/05/2018**Duration:** 8 months**Total amount:** 15.000 €

- 11 Name of the project:** Estudio de la rotura de la corona de un aerogenerador

Degree of contribution: Researcher**Name principal investigator (PI, Co-PI....):** Sepúlveda Ferrer, Ranier Enrique**Nº of researchers:** 3**Funding entity or bodies:**

Agar Forensic Investigation Services

Name of the programme: Contrato 68/83**Code according to the funding entity:** ES-1775/08/2018**Start date:** 01/01/2018**Duration:** 2 months - 1 day**Total amount:** 1.500 €

Results

Industrial and intellectual property

Title registered industrial property: Método para sinterizar polvos eléctricamente conductores

Description of qualities: Método para sinterizar polvos eléctricamente conductores en una atmósfera de aire para obtener un producto sinterizado, que comprende la siguiente secuencia de etapas: a) colocar los polvos en un molde eléctricamente aislante, b) aplicar a los polvos una presión de entre 100 y 500 MPa, c) aplicar a los polvos una corriente de sinterización a una tensión de sinterización durante un tiempo de sinterización, para sinterizar los polvos, caracterizado por aplicar a los polvos, entre la etapa b) y la etapa c), una densidad de corriente de activación inferior a la densidad de corriente de sinterización a una tensión de activación mayor que la tensión de sinterización durante un tiempo de activación inferior al tiempo de sinterización, para reducir la resistencia eléctrica de los polvos, siendo constantes la densidad de corriente de activación y la densidad de corriente de sinterización.

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Montes Martos, Juan Manuel; Cintas Físico, Jesús; Gallardo Fuentes, José María; De Paula Gómez Cuevas, Francisco; Torres Hernández, Yadir; Agote Beloqui, Íñigo; Lagos Gómez, Miguel Ángel; Irazusta Arruti, Aitor

Entity holder of rights: Universidad de Sevilla; Fundación Tecnalia Research / Innovation



Nº of application: E16382069

Date of register: 19/02/2016

Conferral date: 01/05/2019

Nº of patent: EP3208015B1

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Díaz, E.; Maldonado Calvo, José A.; Gallardo, J. M.; Paúl, A.. Extraction of antimony from a hydrochloric acid side stream of copper electro-refining by hydrolysis. HYDROMETALLURGY. 219, ELSEVIER SCIENCE BV, 2023. Available on-line at: <<https://doi.org/10.1016/j.hydromet.2023.106076>>. ISSN 0304-386X, ISSN 1879-1158
DOI: 10.1016/j.hydromet.2023.106076
Handle: 11441/146033
Código Scopus: 85156137092
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 4.700
Position of publication: 12
Impact source: SCOPUS
Impact index in year of publication: 1.012
Position of publication: 48
Impact source: SCOPUS
Impact index in year of publication: 1.012
Position of publication: 44
Impact source: SCOPUS
Impact index in year of publication: 1.012
Position of publication: 18
Source of citations: SCOPUS
Format: Journal
Category: Science Edition - METALLURGY & METALLURGICAL ENGINEERING
Journal in the top 25%: Yes
No. of journals in the cat.: 79
Category: Industrial and Manufacturing Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 353
Category: Materials Chemistry
Journal in the top 25%: Yes
No. of journals in the cat.: 307
Category: Metals and Alloys
Journal in the top 25%: Yes
No. of journals in the cat.: 165
Citations: 2
- 2** Díaz Gutiérrez, Eduardo; Maldonado Calvo, José Antonio; Gallardo Fuentes, José María; Paúl Escolano, Antonio. Effect of pH Hydrolysis on the Recovery of Antimony from Spent Electrolytes from Copper Production. MATERIALS. 16 - 11, MDPI, 2023. Available on-line at: <<https://doi.org/10.3390/ma16113918>>. ISSN 1996-1944
DOI: 10.3390/ma16113918
Código WOS: WOS:001005667200001
Código Scopus: 85161594037
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4
Impact source: ISI
Format: Journal
Category: Science Edition - CHEMISTRY, PHYSICAL

**Impact index in year of publication:** 3.400**Position of publication:** 84**Impact source:** ISI**Impact index in year of publication:** 3.400**Position of publication:** 174**Impact source:** ISI**Impact index in year of publication:** 3.400**Position of publication:** 20**Impact source:** ISI**Impact index in year of publication:** 3.400**Position of publication:** 57**Impact source:** ISI**Impact index in year of publication:** 3.400**Position of publication:** 29**Impact source:** SCOPUS**Impact index in year of publication:** 0.563**Position of publication:** 155**Impact source:** SCOPUS**Impact index in year of publication:** 0.563**Position of publication:** 224**Source of citations:** SCOPUS**Source of citations:** WOS**Journal in the top 25%:** No**No. of journals in the cat.:** 161**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY**Journal in the top 25%:** No**No. of journals in the cat.:** 344**Category:** Science Edition - METALLURGY & METALLURGICAL ENGINEERING**Journal in the top 25%:** No**No. of journals in the cat.:** 79**Category:** Science Edition - PHYSICS, APPLIED**Journal in the top 25%:** No**No. of journals in the cat.:** 160**Category:** Science Edition - PHYSICS, CONDENSED MATTER**Journal in the top 25%:** No**No. of journals in the cat.:** 67**Category:** Condensed Matter Physics**Journal in the top 25%:** No**No. of journals in the cat.:** 428**Category:** Materials Science (miscellaneous)**Journal in the top 25%:** No**No. of journals in the cat.:** 594**Citations:** 1**Citations:** 0

- 3** Montes Martos, J.M.; de la Viña, Francisco J.; Agote, Íñigo; Schubert, Thomas; Cuevas, Francisco G.; Torres Hernández, Yadir; Gallardo Fuentes, José María; Cintas Físico, Jesús. Simulation of the electrical resistance sintering of hardmetal powders. METALS AND MATERIALS INTERNATIONAL. 27 - 2, pp. 352 - 364. KOREAN INST METALS MATERIALS, 2021. Available on-line at: <<https://doi.org/10.1007/s12540-019-00409-w>>. ISSN 1598-9623, ISSN 2005-4149

DOI: 10.1007/s12540-019-00409-w**Handle:** 11441/137344**Código WOS:** WOS:000616325200012**Código Scopus:** 85070772161**Type of production:** Scientific paper**Position of signature:** 7**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 3.451**Position of publication:** 190**Impact source:** ISI**Impact index in year of publication:** 3.451**Position of publication:** 20**Format:** Journal**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY**Journal in the top 25%:** No**No. of journals in the cat.:** 345**Category:** Science Edition - METALLURGY & METALLURGICAL ENGINEERING**Journal in the top 25%:** Yes**No. of journals in the cat.:** 79



Impact source: SCOPUS
Impact index in year of publication: 0.791
Position of publication: 99

Impact source: SCOPUS
Impact index in year of publication: 0.791
Position of publication: 55

Impact source: SCOPUS
Impact index in year of publication: 0.791
Position of publication: 84

Impact source: SCOPUS
Impact index in year of publication: 0.791
Position of publication: 23

Source of citations: SCOPUS

Source of citations: WOS

Category: Condensed Matter Physics
Journal in the top 25%: Yes
No. of journals in the cat.: 420

Category: Materials Chemistry
Journal in the top 25%: Yes
No. of journals in the cat.: 300

Category: Mechanics of Materials
Journal in the top 25%: Yes
No. of journals in the cat.: 386

Category: Metals and Alloys
Journal in the top 25%: Yes
No. of journals in the cat.: 159

Citations: 2

Citations: 2

- 4** Hortigón, B.; Ancio, F.; Herrera-Garrido, M. A.; Gallardo, J. M.. Caracterización del comportamiento mecánico durante la fase de estricción de los aceros corrugados Tempcore 500C: experimentación y simulación. Revista de metalurgia. 57 - 3, CENIM, 2021. Available on-line at: <<https://doi.org/10.3989/revmetalm.199>>. ISSN 0034-8570, ISSN 1988-4222

DOI: 10.3989/revmetalm.199

Handle: 11441/129985

Código WOS: WOS:000706445300002

Código Scopus: 85118189599

Código de Dialnet: ARTREV 8335861

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 0.837
Position of publication: 65

Impact source: SCOPUS
Impact index in year of publication: 0.209
Position of publication: 353

Impact source: SCOPUS
Impact index in year of publication: 0.209
Position of publication: 227

Impact source: SCOPUS
Impact index in year of publication: 0.209
Position of publication: 114

Impact source: SCOPUS
Impact index in year of publication: 0.209
Position of publication: 142

Source of citations: SCOPUS

Format: Journal

Category: Science Edition - METALLURGY & METALLURGICAL ENGINEERING
Journal in the top 25%: No
No. of journals in the cat.: 79

Category: Condensed Matter Physics
Journal in the top 25%: No
No. of journals in the cat.: 420

Category: Materials Chemistry
Journal in the top 25%: No
No. of journals in the cat.: 300

Category: Metals and Alloys
Journal in the top 25%: No
No. of journals in the cat.: 159

Category: Physical and Theoretical Chemistry
Journal in the top 25%: No
No. of journals in the cat.: 174

Citations: 0



Source of citations: WOS

Citations: 0

Source of citations: Dialnet

Citations: 0

- 5** Jiménez-Espadafor Aguilar, Francisco José; Vélez Godiño, José Antonio; Torres García, Miguel; Gallardo Fuentes, José María; Díaz Gutiérrez, Eduardo. Thermal modeling of the port on a refining furnace to prevent copper infiltration and slag accretion. MATERIALS. 14 - 22, MDPI, 2021. Available on-line at: <<https://doi.org/10.3390/ma14226978>>. ISSN 1996-1944

DOI: 10.3390/ma14226978

Handle: 11441/133995

PMID: 34832379

Código WOS: WOS:000723786600001

Código Scopus: 85119718892

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 5

Impact source: ISI

Category: Science Edition - CHEMISTRY, PHYSICAL

Impact index in year of publication: 3.748

Journal in the top 25%: No

Position of publication: 85

No. of journals in the cat.: 165

Impact source: ISI

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Impact index in year of publication: 3.748

Journal in the top 25%: No

Position of publication: 177

No. of journals in the cat.: 345

Impact source: ISI

Category: Science Edition - METALLURGY & METALLURGICAL ENGINEERING

Impact index in year of publication: 3.748

Journal in the top 25%: Yes

Position of publication: 18

No. of journals in the cat.: 79

Impact source: ISI

Category: Science Edition - PHYSICS, APPLIED

Impact index in year of publication: 3.748

Journal in the top 25%: No

Position of publication: 56

No. of journals in the cat.: 161

Impact source: ISI

Category: Science Edition - PHYSICS, CONDENSED MATTER

Impact index in year of publication: 3.748

Journal in the top 25%: No

Position of publication: 28

No. of journals in the cat.: 69

Impact source: SCOPUS

Category: Condensed Matter Physics

Impact index in year of publication: 0.604

Journal in the top 25%: No

Position of publication: 145

No. of journals in the cat.: 420

Impact source: SCOPUS

Category: Materials Science (miscellaneous)

Impact index in year of publication: 0.604

Journal in the top 25%: No

Position of publication: 212

No. of journals in the cat.: 586

Source of citations: SCOPUS

Citations: 1

Source of citations: WOS

Citations: 1

- 6** Astacio, Raquel; Gallardo Fuentes, José María; Cintas Físico, Jesús; Montes Martos, Juan M.; Cuevas, Francisco G.; Prakash, Leo; Torres Hernández, Yadir. Fracture toughness of cemented carbides obtained by electrical resistance sintering. INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. 80, pp.



259 - 269. ELSEVIER SCI LTD, 2019. Available on-line at: <<https://doi.org/10.1016/j.ijrmhm.2019.02.002>>. ISSN 0263-4368, ISSN 2213-3917

DOI: 10.1016/j.ijrmhm.2019.02.002

Handle: 11441/93615

Código WOS: WOS:000460992100028

Código Scopus: 85061054392

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 3.407

Position of publication: 116

Impact source: ISI

Impact index in year of publication: 3.407

Position of publication: 11

Impact source: SCOPUS

Impact index in year of publication: 1.037

Position of publication: 14

Impact source: SCOPUS

Impact index in year of publication: 1.037

Position of publication: 34

Impact source: SCOPUS

Impact index in year of publication: 1.037

Position of publication: 78

Impact source: SCOPUS

Impact index in year of publication: 1.037

Position of publication: 56

Impact source: SCOPUS

Impact index in year of publication: 1.037

Position of publication: 16

Source of citations: SCOPUS

Source of citations: WOS

Format: Journal

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 314

Category: Science Edition - METALLURGY & METALLURGICAL ENGINEERING

Journal in the top 25%: Yes

No. of journals in the cat.: 79

Category: Ceramics and Composites

Journal in the top 25%: Yes

No. of journals in the cat.: 106

Category: Materials Chemistry

Journal in the top 25%: Yes

No. of journals in the cat.: 281

Category: Mechanical Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 633

Category: Mechanics of Materials

Journal in the top 25%: Yes

No. of journals in the cat.: 380

Category: Metals and Alloys

Journal in the top 25%: Yes

No. of journals in the cat.: 167

Citations: 12

Citations: 10

- 7** Hortigón Fuentes, Beatriz; Gallardo Fuentes, José María; Muñoz Moreno, S.; Gümpel, P.; Strittmatter, J.. Influence of bar thermal hardening via tempcore method on their properties after stretching. Chernye Metally. 2019 - 6, pp. 69 - 77. 2019. ISSN 0132-0890, ISSN 2414-0104

Código Scopus: 85073356850

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 0.425

Position of publication: 51

Source of citations: SCOPUS

Format: Journal

Category: Metals and Alloys

Journal in the top 25%: No

No. of journals in the cat.: 167

Citations: 1



- 8** Cintas Físico, Jesús; Astacio, Raquel; Gómez Cuevas, Francisco; Montes Martos, Juan M.; Weissgaerber, Thomas; Lagos, Miguel Ángel; Torres Hernández, Yadir; Gallardo Fuentes, José María. Production of ultrafine grained hardmetals by electrical resistance sintering. METALS. 9 - 2, MDPI, 2019. Available on-line at: <<https://doi.org/10.3390/met9020159>>. ISSN 2075-4701
DOI: 10.3390/met9020159
Handle: 11441/88603
Código WOS: WOS:000460764700050
Código Scopus: 85062357488
Type of production: Scientific paper
Position of signature: 8
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 2.117
Position of publication: 185
Impact source: ISI
Impact index in year of publication: 2.117
Position of publication: 18
Impact source: SCOPUS
Impact index in year of publication: 0.567
Position of publication: 208
Source of citations: SCOPUS
Source of citations: WOS
- Format:** Journal
Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY
Journal in the top 25%: No
No. of journals in the cat.: 314
Category: Science Edition - METALLURGY & METALLURGICAL ENGINEERING
Journal in the top 25%: Yes
No. of journals in the cat.: 79
Category: Materials Science (miscellaneous)
Journal in the top 25%: No
No. of journals in the cat.: 577
Citations: 9
Citations: 7
- 9** Cuevas, F. G.; Andreouli, D.; Gallardo Fuentes, José María; Oikonomou, V.; Cintas Físico, Jesús; Torres Hernández, Yadir; Montes Martos, Juan M.. Ceramic dies selection for electrical resistance sintering of metallic materials. CERAMICS INTERNATIONAL. 45 - 12, pp. 14555 - 14561. ELSEVIER SCI LTD, 2019. Available on-line at: <<https://doi.org/10.1016/j.ceramint.2019.04.172>>. ISSN 0272-8842, ISSN 1873-3956
DOI: 10.1016/j.ceramint.2019.04.172
Handle: 11441/93616
Código WOS: WOS:000474322000010
Código Scopus: 85064610815
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.830
Position of publication: 2
Impact source: SCOPUS
Impact index in year of publication: 0.891
Position of publication: 20
Impact source: SCOPUS
Impact index in year of publication: 0.891
Position of publication: 47
- Format:** Journal
Category: Science Edition - MATERIALS SCIENCE, CERAMICS
Journal in the top 25%: Yes
No. of journals in the cat.: 28
Category: Ceramics and Composites
Journal in the top 25%: Yes
No. of journals in the cat.: 106
Category: Electronic, Optical and Magnetic Materials
Journal in the top 25%: Yes
No. of journals in the cat.: 221

Impact source: SCOPUS
Impact index in year of publication: 0.891
Position of publication: 47

Impact source: SCOPUS
Impact index in year of publication: 0.891
Position of publication: 16

Impact source: SCOPUS
Impact index in year of publication: 0.891
Position of publication: 22

Source of citations: SCOPUS

Source of citations: WOS

Category: Materials Chemistry
Journal in the top 25%: Yes
No. of journals in the cat.: 281

Category: Process Chemistry and Technology
Journal in the top 25%: Yes
No. of journals in the cat.: 68

Category: Surfaces, Coatings and Films
Journal in the top 25%: Yes
No. of journals in the cat.: 124

Citations: 8

Citations: 7

- 10** Díaz Gutiérrez, Eduardo; Soria Conde, Laureano; Gallardo Fuentes, José María. Post-failure life evaluation: a corrosion-fatigue case history. ENGINEERING FAILURE ANALYSIS. 105, pp. 828 - 836. PERGAMON-ELSEVIER SCIENCE LTD, 2019. Available on-line at: <<https://doi.org/10.1016/j.engfailanal.2019.07.022>>. ISSN 1350-6307, ISSN 1873-1961

DOI: 10.1016/j.engfailanal.2019.07.022

Código WOS: WOS:000496188200064

Código Scopus: 85069632002

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 2.897
Position of publication: 37

Impact source: ISI

Impact index in year of publication: 2.897
Position of publication: 7

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 19

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 16

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 58

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 66

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 128

Format: Journal

Category: Science Edition - ENGINEERING, MECHANICAL
Journal in the top 25%: No
No. of journals in the cat.: 130

Category: Science Edition - MATERIALS SCIENCE, CHARACTERIZATION & TESTING
Journal in the top 25%: Yes
No. of journals in the cat.: 33

Category: Aerospace Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 128

Category: Automotive Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 99

Category: Engineering (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 508

Category: Industrial and Manufacturing Engineering
Journal in the top 25%: Yes
No. of journals in the cat.: 368

Category: Materials Science (miscellaneous)
Journal in the top 25%: Yes
No. of journals in the cat.: 577

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 101

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 81

Impact source: SCOPUS
Impact index in year of publication: 0.853
Position of publication: 33

Source of citations: SCOPUS

Source of citations: WOS

Category: Mechanical Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 633

Category: Mechanics of Materials

Journal in the top 25%: Yes

No. of journals in the cat.: 380

Category: Safety, Risk, Reliability and Quality

Journal in the top 25%: Yes

No. of journals in the cat.: 169

Citations: 2

Citations: 1

- 11** Hortigón Fuentes, Beatriz; Gallardo Fuentes, José María; Nieto García, Enrique J.; López, José A.. Strain hardening exponent and strain at maximum stress: steel rebar case. CONSTRUCTION AND BUILDING MATERIALS. 196 - 196, pp. 175 - 184. ELSEVIER SCI LTD, 2019. Available on-line at: <<https://doi.org/10.1016/j.conbuildmat.2018.11.082>>. ISSN 0950-0618, ISSN 1879-0526

DOI: 10.1016/j.conbuildmat.2018.11.082

Código WOS: WOS:000456755400016

Código Scopus: 85056876155

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 4.419

Position of publication: 10

Impact source: ISI

Impact index in year of publication: 4.419

Position of publication: 11

Impact source: ISI

Impact index in year of publication: 4.419

Position of publication: 86

Impact source: SCOPUS

Impact index in year of publication: 1.491

Position of publication: 15

Impact source: SCOPUS

Impact index in year of publication: 1.491

Position of publication: 28

Impact source: SCOPUS

Impact index in year of publication: 1.491

Position of publication: 65

Source of citations: SCOPUS

Source of citations: WOS

Format: Journal

Category: Science Edition - CONSTRUCTION & BUILDING TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 63

Category: Science Edition - ENGINEERING, CIVIL

Journal in the top 25%: Yes

No. of journals in the cat.: 134

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 314

Category: Building and Construction

Journal in the top 25%: Yes

No. of journals in the cat.: 188

Category: Civil and Structural Engineering

Journal in the top 25%: Yes

No. of journals in the cat.: 322

Category: Materials Science (miscellaneous)

Journal in the top 25%: Yes

No. of journals in the cat.: 577

Citations: 13

Citations: 11



- 12** Gallardo Fuentes, José María; Agote, Iñigo; Astacio, Raquel; Schubert, Thomas; Cintas Físico, Jesus; Montes Martos, J.M.; Torres Hernández, Yadir; Cuevas, Francisco G.. Hard metal production by ERS: processing parameter roles in final properties. METALS. 9 - 2, MDPI, 2019. Available on-line at: <<https://doi.org/10.3390/met9020172>>. ISSN 2075-4701

DOI: 10.3390/met9020172

Handle: 11441/86182

Código WOS: WOS:000460764700063

Código Scopus: 85062346892

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 2.117

Position of publication: 185

Impact source: ISI

Impact index in year of publication: 2.117

Position of publication: 18

Impact source: SCOPUS

Impact index in year of publication: 0.567

Position of publication: 208

Source of citations: SCOPUS

Source of citations: WOS

Format: Journal

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 314

Category: Science Edition - METALLURGY & METALLURGICAL ENGINEERING

Journal in the top 25%: Yes

No. of journals in the cat.: 79

Category: Materials Science (miscellaneous)

Journal in the top 25%: No

No. of journals in the cat.: 577

Citations: 6

Citations: 5

- 13** Fuentes, Beatriz Hortigón; Fuentes, Jose María Gallardo; Moreno, Sergio Muñoz; Gümpel, Paul; Strittmatter, Joachim. The effect of the Tempcore treatment on tensile properties of mild rebar steel. Stahl und Eisen. 138 - 12, pp. 45 - 52. Verlag Stahleisen GmbH, 2018. ISSN 0340-4803

Código Scopus: 85061038574

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 5

Impact source: SCOPUS

Impact index in year of publication: 0.227

Position of publication: 317

Impact source: SCOPUS

Impact index in year of publication: 0.227

Position of publication: 201

Impact source: SCOPUS

Impact index in year of publication: 0.227

Position of publication: 109

Impact source: SCOPUS

Impact index in year of publication: 0.227

Position of publication: 133

Source of citations: SCOPUS

Format: Journal

Category: Condensed Matter Physics

Journal in the top 25%: No

No. of journals in the cat.: 403

Category: Materials Chemistry

Journal in the top 25%: No

No. of journals in the cat.: 271

Category: Metals and Alloys

Journal in the top 25%: No

No. of journals in the cat.: 167

Category: Physical and Theoretical Chemistry

Journal in the top 25%: No

No. of journals in the cat.: 155

Citations: 2

Works submitted to national or international conferences

Title of the work: Recovery of Antimony by Hydrolysis in Side Streams from Copper Production

Type of event: Conference

Díaz, Eduardo; Maldonado, José Antonio; Paúl, Antonio; Gallardo, José María; Ruiz, Irene; Ríos, Guillermo. "Recovery of Antimony by Hydrolysis in Side Streams from Copper Production". En: Proceedings - European Metallurgical Conference, EMC 2023. 2, pp. 749 - 761. 2023. ISBN 9783935797368

Código Scopus: 85183015364

Works submitted to national or international seminars, workshops and/or courses

1 **Title of the work:** Isotopic composition of lead used in the El Giralillo casting

Corresponding author: Yes

Gallardo, J. M.; Hunt Ortiz, M. A.; Díaz-Gutiérrez, E.. "Isotopic composition of lead used in the El Giralillo casting". En: Conserving cultural heritage. CRC PRESS-BALKEMA; Crc Press, 2018, pp. 99 - 101. Available on-line at: <<https://doi.org/10.1201/9781315158648-25>>. ISBN 978-1-138-06744-8, ISBN 978-1-315-15864-8

DOI: 10.1201/9781315158648-25

Código WOS: WOS:000465838800025

2 **Title of the work:** Influence of rebar design on mechanical behaviour of Tempcore steel

Hortigón Fuentes, Beatriz; Fernández Ancio, Fernando; Nieto-García, Enrique J.; Herrera, M. A.; Gallardo Fuentes, José María. "Influence of rebar design on mechanical behaviour of Tempcore steel". En: Procedia Structural Integrity. 13. ELSEVIER SCIENCE BV, 2018, pp. 601 - 606. Available on-line at: <<https://doi.org/10.1016/j.prostr.2018.12.099>>. ISSN 2452-3216

DOI: 10.1016/j.prostr.2018.12.099

Handle: 11441/88986

Código WOS: WOS:000459860900098

Código Scopus: 85064671562