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Milica Ševkušić

Institut tehničkih nauka SANU

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 Primary Institution: Institute of Technical Sciences of the Serbian Academy of Sciences and Arts  
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Joint Affiliation:  
 Sub-org./Dept:  
 Role:

Past Institutions: Vinca Institute of Nuclear Sciences

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118 publication(s) Page 1 of 12 Go Sort by: Times Cited

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 Author(s): IGNJATOVIC, N; TOMIC, S; DAKIC, M; et al.  
 Source: BIOMATERIALS Volume: 20 Issue: 9 Pages: 809-816 Year: MAY 1999  
 Times Cited: 103 added 05-Nov-08
2. Title: [A study of HAp/PLLA composite as a substitute for bone powder, using FT-IR spectroscopy](#)  
 Author(s): IGNJATOVIC, N; SAVIC, V; NAJMAN, S; et al.  
 Source: BIOMATERIALS Volume: 22 Issue: 6 Pages: 571-575 Year: MAR 2001  
 Times Cited: 40 added 05-Nov-08
3. Title: [Synthesis and formation mechanism of ultrafine spherical Al<sub>2</sub>O<sub>3</sub> powders by ultrasonic spray pyrolysis](#)  
 Author(s): JOKANOVIC, V; JANACKOVIC, D; SPASIC, AM; et al.  
 Source: MATERIALS TRANSACTIONS JIM Volume: 37 Issue: 4 Pages: 627-635 Year: APR 1996  
 Times Cited: 30 added 05-Nov-08
4. Title: [Microstructural characteristics of calcium hydroxyapatite/poly-L-lactide based composites](#)  
 Author(s): IGNJATOVIC, NL; PLAVSIC, M; MILJKOVIC, MS; et al.  
 Source: JOURNAL OF MICROSCOPY-OXFORD Volume: 196 Pages: 243-248 Year: NOV 1999  
 Times Cited: 26 added 05-May-08
5. Title: [Characteristics and formation mechanism of BaTiO<sub>3</sub> powders prepared by twin-fluid and ultrasonic spray-pyrolysis methods](#)  
 Author(s): MILOSEVIC, OB; MIRKOVIC, MK; USKOKOVIC, DP  
 Source: JOURNAL OF THE AMERICAN CERAMIC SOCIETY Volume: 79 Issue: 6 Pages: 1720-1722 Year: JUN 1996  
 Times Cited: 24 added 05-May-08
6. Title: [Ultrasonic spray pyrolysis of TiO<sub>2</sub> nanoparticles](#)  
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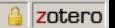
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Last / Family Name: Uskokovic \*

Example: Johanson

First Initial(s): D \*

Example: A\*

Topic: cancer\* OR tumour

Source Title: Clinical Nuclear Medicine

Publication Year: 2001 or a range 1991-2001

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Note: If the publication list was recently updated, then the new citation metrics data may take a few minutes to process.

This graph shows the number of times the articles on the publication list have been cited in each of the last 20 years.  
Note: Only articles from ISI Web of Knowledge with citation data are included in the calculations. [More information about these data.](#)

### Citation Distribution by year

The chart displays the number of citations for each year, showing a significant increase over time, particularly after 1997.

Year	Citations
1989	5
1990	5
1991	5
1992	5
1993	5
1994	5
1995	5
1996	5
1997	10
1998	20
1999	20
2000	15
2001	40
2002	35
2003	40
2004	60
2005	80
2006	80
2007	100
2008	120
2009	35

Total Articles in Publication List : **118**  
Articles With Citation Data: **78**  
Sum of the Times Cited : **621**  
Average Citations per Article : **7.96**  
h-index : **14**  
Last Updated : **04/03/2009 04:19**  
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The graph below displays (up to) this researcher's top 20 categories. Data is presented in descending frequency order.

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Collaboration Network for  
Uskokovic, Dragan P

Category	Number of Articles
MATERIALS SCIENCE, MUL...	19
MATERIALS SCIENCE, BI...	12
CHEMISTRY, PHYSICAL	8
ENGINEERING, BIOMEDIC...	8
MATERIALS SCIENCE, CE...	7
MICROSCOPY	3
PHYSICS, APPLIED	3
PHYSICS, CONDENSED MA...	3
ANATOMY and MORPHOLOGY	2
BIOLOGY	2
BIOPHYSICS	2
CHEMISTRY, MULTIDISCI...	2
METALLURGY and METALLUR...	2
NANOSCIENCE and NANOTECH...	2
NUCLEAR SCIENCE and TEC...	2
PHYSICS, ATOMIC, MOLE...	2
ACOUSTICS	1
BIOTECHNOLOGY and APPLI...	1
CHEMISTRY, INORGANIC ...	1
CRYSTALLOGRAPHY	1

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### Citing Articles Network

The graph below displays (up to) the top **20 categories** for publications that have cited this researcher. Data is presented in descending frequency order.

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**Citing Articles Network for Uskokovic, Dragan P**

Category	Number of Citing Articles
MATERIALS SCIENCE, MU...	137
MATERIALS SCIENCE, BI...	69
ENGINEERING, BIOMEDIC...	60
MATERIALS SCIENCE, CE...	55
CHEMISTRY, PHYSICAL	35
POLYMER SCIENCE	33
PHYSICS, CONDENSED MA...	27
MATERIALS SCIENCE, CO...	23
PHYSICS, APPLIED	23
CHEMISTRY, MULTIDISCI...	22
ENGINEERING, CHEMICAL	15
NANOSCIENCE and NANOTECHNOLOGY	13
METALLURGY and METALLURGICAL ENGINEERING	11
MATERIALS SCIENCE, CH...	7
MATERIALS SCIENCE, CO...	7
CHEMISTRY, INORGANIC ...	6
BIOTECHNOLOGY and APPLIED MICROBIOLOGY	5
ENGINEERING, MECHANICAL	5
ENVIRONMENTAL SCIENCES	5
MICROSCOPY	5

Number of Citing Articles  
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## ISTRAŽIVAČKI FOKUSI

## OSTVARENJA I MOGUĆNOSTI

## PUBLIKACIJE

## GALERIJA POSTERA

## ZAPOSLENI

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## KONTAKT



## Biografija

Rođen je 3. aprila 1944. godine na Cetinju, gde je završio osnovnu školu (1958. godine) i gimnaziju (1962. godine). Tehnološko-metalurški fakultet završio je 1967. godine u Beogradu, magistrirao je 1971. godine, a 1974. godine odbranio doktorsku disertaciju «Proučavanje osnovnih procesa koji se dešavaju tokom sinterovanja kristalnih materijala». Istraživački rad je započeo u Institutu za nuklearne nauke 1968. godine, a neposredno pre odbrane doktorske disertacije 1974. godine prešao je u Institut tehničkih nauka SANU, gde se i sada nalazi na dužnosti direktora Instituta. Izabran je u svim naučnim i nastavnim zvanjima.

Dugogodišnji je član Međunarodnog Instituta za nauku o sinterovanju, gde je sada generalni sekretar. Bio je sekretar, zatim regionalni editor, a sada je koeditor Međunarodnog časopisa " Science of Sintering ". 1975. godine izabran je za dopisnog, a 1983. godine za redovnog člana ovog Instituta. Bio je koordinator naših programa sa Evropskom Unijom, kao i član programskog komiteta mnogih međunarodnih konferencijskih i časopisa ( Mat . Sci . Forum, Key Engineering Materials , Advances in Applied Ceramics-Structural, Functional and Bioceramics, J. Bionanoscience, The Open Biomedical Engineering Journal i Poroshkovaya Metallurgiya ). Recenzirao je za niz međunarodnih časopisa. Predsednik je Društva za istraživanje materijala, koje je do sada održalo osam konferencija u Herceg Novom (1995, 1997, 1999,

email: [dragan.uskokovic@itn.sanu.ac.yu](mailto:dragan.uskokovic@itn.sanu.ac.yu)

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## ResearcherID

Dragan Uskokovic  
RID: B-4129-2008  
**Institute of Technical Sciences of the Serbian Academy of Sciences and Arts**

### Selected Publication List:

- [1. Synthesis and properties of hydroxyapatite/poly-L-lactide composite biomaterials](#)
- [2. A study of HAp/PLLA composite as a substitute for bone powder, using FT-IR spectroscopy](#)
- [3. Synthesis and formation mechanism of ultrafine spherical Al2O3 powders by ultrasonic spray pyrolysis](#)

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    year = "1999",
    number = "1",
    volume = "20",
    url = "http://dblp.uni-trier.de/db/journals/aim/aim20.html#Sloman99",
    pages = "127--133",
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**Electrochemically deposited Ni + WC composite coatings obtained under constant and pulsating current regimes**

Jugović, B.<sup>a</sup>, Stevanović, J.<sup>b</sup>, Maksimović, M.<sup>c</sup>

<sup>a</sup> Institute of Technical Sciences, Serbian Academy of Science and Arts, Knez Mihailova 35, 11000 Belgrade, Yugoslavia  
<sup>b</sup> Institute of Electrochemistry, Inst. of Chem., Technol./Metallurgy, Njegoševa 12, 11000 Belgrade, Yugoslavia  
<sup>c</sup> Faculty of Technology and Metallurgy, University of Belgrade, Karnegijeva 4, 11000 Belgrade, Yugoslavia

**Abstract**

A series of Ni + WC composite coatings were obtained by electrodeposition on a rotating disc electrode (RDE) from a commercially available Watts bath containing additives for brightness and smoothing and insoluble WC particles, using either constant or pulsating current. It was shown that the amount of WC embedded in the coating could vary from a few percent to over 80% depending on the rotation rate and the

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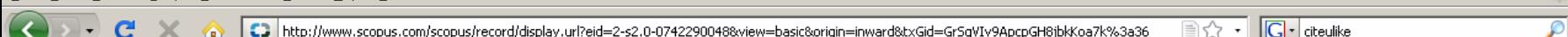
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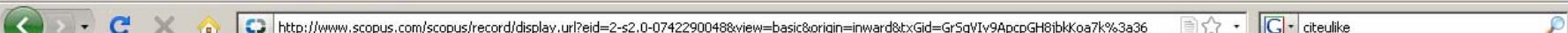
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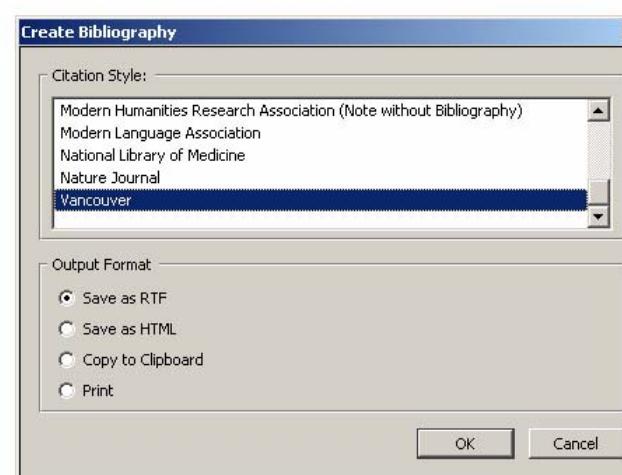
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<sup>a</sup> The Autonomous University of the State of Morelos, Av. Universidad, 1001, Cuernavaca, Mexico  
<sup>b</sup> Center for Multidisciplinary Studies, the University of Belgrade, Belgrade  
<sup>c</sup> Institute of Technical Sciences, the Serbian Academy of Sciences and Arts, Belgrade

**Abstract**

Semi-quantitative methods of X-ray diffraction and FTIR spectroscopy, accompanied by electron microscopy, X-ray microanalysis and others were used to monitor structural-phase reorganization of smectite-gypsum mixture (bentonite) subjected to NaOH treatment with the subsequent addition of quaternary ammonium salt under different conditions of water deficiency. The interaction of bentonite with NaOH breaks up large bentonite aggregates, saturates smectite with Na cations, and yields Ca(OH)<sub>2</sub>. The addition of TMA is accompanied by its penetration into the interlayer space and adsorption on the surface. © 2005 Elsevier Ltd and Techna Group S.r.l.

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		TUDY AT RuO <sub>2</sub> /Ti INTERFACE	Materials Science Forum	Conference Proceedings
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		udy of mixed layers of RuO <sub>2</sub> and IrO <sub>2</sub>	Vacuum	Journal Article
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	1992	XPS studies on conducting polymers: Polypyrrole films dop...	Journal of Electroanalytical Chemi...	Journal Article
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	2004	Estimation of elastic properties of a particulate polymer co...	Vacuum	Journal Article
	2006	Nanoindentation of in situ polymers in hydroxyapatite/poly-L...	Materials Letters	Journal Article
	2002	Predictive modeling of the mechanical properties of particul...	Materials Science Forum	Conference Proceedings
	2001	Stress analysis in hydroxyapatite/poly-L-lactide composite ...	Journal of Biomedical Materials R...	Journal Article
	2002	Finite element modeling of mechanical properties of particu...	Computational Materials Science	Journal Article
	1988	Increased efficiency with hydraulics	Materials Science Forum	Conference Proceedings
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	2002	TOOL		citeulike-article

1. Ajdukovic Z, Najman S, Dordevic L, Savic V, Mihailovic D, Petrovic D, et al. Repair of bone tissue affected by osteoporosis with hydroxyapatite-poly-L-lactide (HAp-PLLA) with and without blood plasma. Journal of Biomaterials Applications 2005;20(2):179-190.

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**Reference List - Search 2 Database: Journal Reference ID 6**

Ref Type*	Journal
Ref ID*	6
Title	Development of nanocomposites for bone grafting
Authors	Murugan,R.; Ramakrishna,S.;
Pub Date*	12/ /2005
Web/URL	<a href="ISI:000233076100011">ISI:000233076100011</a>
File Attachments	
Link to Full-text	<a href="#">Advanced functional materials - Advanced Functional Materials</a>
Related Links	
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Ref ID	Authors
<input type="checkbox"/> 1	Bera,T.
<input type="checkbox"/> 2	Tamerler
<input type="checkbox"/> 3	Fan,H.S.
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<input type="checkbox"/> 5	Nayar,S.
<input checked="" type="checkbox"/> 6	Murugan
<input type="checkbox"/> 7	Bismaye
<input type="checkbox"/> 8	Habelitz,
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[1] J.Q.Adams, A.Lincoln, M.van Buren, H.S.Truman, "An imaginary conversation", in Collected Historical Fantasies, Vol. Misc-field-2 (Eds: Z.Taylor, J.Tyler),
    Historical Fantasy Publishing, Philadelphia,PA, 1976, Ch. 11.
    Ref ID: ADAMS76
    Keywords: fantasy/history/U.S. Presidency
    Reprint: On Request (12-31-1990)
    Abstract: Four U.S. Presidents from different eras hash over old times.
    Notes: This is the first in a planned series of imaginary occurrences involving U.S. Presidents.
```

This article reviews nanocomposites focusing on their impact and recent trends in the field of bone grafting. Although autogenous and allogeneic bone grafts have been used for a long time in bone therapies, there is still a donor shortage and infection risk. As an alternative, synthetic biomaterials have been developed and clinically used as bone grafts, but most of them differ substantially from natural bone either compositionally or structurally. It remains a great challenge to design an ideal bone graft that emulates nature's own structure. Owing to the composition and structural similarity to natural bone, most of the current investigations involve the use of nanocomposites, particularly hydroxyapatite/collagen system as promising bone grafts; but it is surprising that there is no detailed review on the rationale and design strategy of such nanocomposites in detail for the benefit of researchers. Accordingly, this article addresses the state-of-the-art of those nanocomposites and provides suggestions for future research and development. (Murugan and Ramakrishna 2385-406) This review provides an overview of the nanocomposite strategy of bone, bone grafting, synthetic approaches to bone structure, development of nanocomposites from the conventional monolithic biomaterials, and recently developed processing conditions for making nanocomposites. The review is expected to be useful for readers to gain an insight on the state-of-the-art of nanocomposites as a new class of synthetic bone grafts.

Reference List

Murugan, R. and S. Ramakrishna. "Development of nanocomposites for bone grafting." *Composites Science and Technology* 65.15-16 (2005): 2385-406.

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**A single point-mutation within the melanophilin gene causes the lavender plumage colour dilution phenotype in the chicken**

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Published: 13 January 2008 Received: 14 August 2007 Accepted: 17 January 2008

260 references

**KEYWORDS:** Adaptor Proteins, Signal Transducing; Animals; Chickens; Feathers; Female; Male; Melanism; Phenotype; Point Mutation; Polymerase Chain Reaction; Polymorphism; Restriction Fragment Length

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