

ISSN 2072-5981
doi: 10.26907/mrsej



***magnetic
Resonance
in Solids***

Electronic Journal

Volume 21

Issue 5

Paper No 19501

1-7 pages

2019

doi: 10.26907/mrsej-19501

<http://mrsej.kpfu.ru>

<http://mrsej.ksu.ru>



Established and published by Kazan University
Endorsed by International Society of Magnetic Resonance (ISMAR)
Registered by Russian Federation Committee on Press (#015140),
August 2, 1996
First Issue appeared on July 25, 1997

© Kazan Federal University (KFU)*

"Magnetic Resonance in Solids. Electronic Journal" (MRSej) is a peer-reviewed, all electronic journal, publishing articles which meet the highest standards of scientific quality in the field of basic research of a magnetic resonance in solids and related phenomena.

Indexed and abstracted by
Web of Science (ESCI, Clarivate Analytics, from 2015), Scopus (Elsevier, from 2012), RusIndexSC (eLibrary, from 2006), Google Scholar, DOAJ, ROAD, CyberLeninka (from 2006), SCImago Journal & Country Rank, etc.

Editor-in-Chief

Boris Kochelaev (KFU, Kazan)

Honorary Editors

Jean Jeener (Universite Libre de Bruxelles, Brussels)

Raymond Orbach (University of California, Riverside)

Executive Editor

Yurii Proshin (KFU, Kazan)
mrsej@kpfu.ru



This work is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).



This is an open access journal which means that all content is freely available without charge to the user or his/her institution. This is in accordance with the [BOAI definition of open access](https://www.boai.ru/).

Technical Editor

Alexander Kutuzov (KFU)

Editors

Vadim Atsarkin (Institute of Radio Engineering and Electronics, Moscow)

Yurij Bunkov (CNRS, Grenoble)

Mikhail Eremin (KFU, Kazan)

David Fushman (University of Maryland, College Park)

Hugo Keller (University of Zürich, Zürich)

Yoshio Kitaoka (Osaka University, Osaka)

Boris Malkin (KFU, Kazan)

Alexander Shengelaya (Tbilisi State University, Tbilisi)

Jörg Sichelschmidt (Max Planck Institute for Chemical Physics of Solids, Dresden)

Haruhiko Suzuki (Kanazawa University, Kanazawa)

Murat Tagirov (KFU, Kazan)

Dmitrii Tayurskii (KFU, Kazan)

Valentine Zhikharev (KNRTU, Kazan)

* In Kazan University the Electron Paramagnetic Resonance (EPR) was discovered by Zavoisky E.K. in 1944.