

# Marat Gafurov

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109  
papers

1,321  
citations

22  
h-index

30  
g-index

118  
ext. papers

1,609  
ext. citations

2.3  
avg, IF

4.43  
L-index

#	Paper	IF	Citations
109	Determination of pores properties in rocks by means of helium-3 NMR: A case study of oil-bearing arkosic conglomerate from North belt of crude oil, Republic of Cuba. <i>Journal of Petroleum Science and Engineering</i> , <b>2022</b> , 210, 110010	4.4	2
108	Changes in Heavy Oil Saturates and Aromatics in the Presence of Microwave Radiation and Iron-Based Nanoparticles. <i>Catalysts</i> , <b>2022</b> , 12, 514	4	1
107	Incorporation of Iron(II) and (III) in Hydroxyapatite: A Theoretical Study. <i>Crystals</i> , <b>2021</b> , 11, 1219	2.3	0
106	Deep Insights into Heavy Oil Upgrading Using Supercritical Water by a Comprehensive Analysis of GC, GC-MS, NMR, and SEM-EDX with the Aid of EPR as a Complementary Technical Analysis. <i>ACS Omega</i> , <b>2021</b> , 6, 135-147	3.9	10
105	Mesoporous Iron(III)-Doped Hydroxyapatite Nanopowders Obtained via Iron Oxalate. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	11
104	Molecular Dynamics and Proton Hyperpolarization via Synthetic and Crude Oil Porphyrin Complexes in Solid and Solution States. <i>Langmuir</i> , <b>2021</b> , 37, 6783-6791	4	2
103	Iron-Doped Mesoporous Powders of Hydroxyapatite as Molybdenum-Impregnated Catalysts for Deep Oxidative Desulfurization of Model Fuel: Synthesis and Experimental and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 11604-11619	3.8	5
102	Criteria for Carotid Atherosclerotic Plaque Instability. <i>Annals of Vascular Surgery</i> , <b>2021</b> , 72, 340-349	1.7	2
101	Metallo-Supramolecular Coordination Polymers Based on Amidopyridine Derivatives of Pillar[5]arene and Cu(II) and Pd(II) Cations: Synthesis and Recognition of Nitroaromatic Compounds. <i>Langmuir</i> , <b>2021</b> , 37, 2942-2953	4	4
100	The Role of Nanodispersed Catalysts in Microwave Application during the Development of Unconventional Hydrocarbon Reserves: A Review of Potential Applications. <i>Processes</i> , <b>2021</b> , 9, 420	2.9	9
99	Using DFT to Calculate the Parameters of the Crystal Field in Mn <sup>2+</sup> Doped Hydroxyapatite Crystals. <i>Crystals</i> , <b>2021</b> , 11, 1050	2.3	0
98	Radiation-Induced Stable Radicals in Calcium Phosphates: Results of Multifrequency EPR, EDNMR, ESEEM, and ENDOR Studies. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7727	2.6	5
97	Study of Electron-Nuclear Interactions in Doped Calcium Phosphates by Various Pulsed EPR Spectroscopy Techniques. <i>ACS Omega</i> , <b>2021</b> , 6, 25338-25349	3.9	3
96	Effect of the Beryllium Acceptor Impurity upon the Optical Properties of Single-Crystal AlN. <i>Semiconductors</i> , <b>2020</b> , 54, 278-281	0.7	3
95	Nanosized iron-substituted hydroxyapatites. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 747, 012066	0.4	
94	EPR of Radiation-Induced Nitrogen Centers in Hydroxyapatite: New Approaches to the Study of Electron-Nuclear Interactions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2020</b> , 46, 729-737	1.6	2
93	Application of pulsed and high-frequency electron paramagnetic resonance techniques to study petroleum disperse systems. <i>Georesursy</i> , <b>2020</b> , 22, 2-14	0.9	0

92	Redox state of adipose tissue for patients with gastric cancer and its connection with the body mass index and distance from the tumor. <i>Obesity Research and Clinical Practice</i> , <b>2020</b> , 14, 34-38	5.4	2
91	In Vitro Properties of Manganese-Substituted Tricalcium Phosphate Coatings for Titanium Biomedical Implants Deposited by Arc Plasma. <i>Materials</i> , <b>2020</b> , 13,	3.5	10
90	Qualitative and Quantitative Analysis of Heavy Crude Oil Samples and Their SARA Fractions with <sup>13</sup> C Nuclear Magnetic Resonance. <i>Processes</i> , <b>2020</b> , 8, 995	2.9	10
89	Influence of the Chemical Modification of the Nanodiamond Surface on Electron Paramagnetic Resonance/Electron-Nuclear Double Resonance Spectra of Intrinsic Nitrogen Defects. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 22384-22389	3.8	2
88	Multifrequency (9 and 95 GHz) EPR study of stable radicals in asphaltenes fractions of oils and bitumen. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 282, 012016	0.3	0
87	Overhauser-driven dynamic nuclear polarization for petroleum systems: literature survey and comparing with experiments. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 282, 012018 <sup>0.3</sup>		
86	Lattice distortions in hydroxyapatites with size as follows from the electronic relaxation time measurements. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 282, 012019	0.3	
85	Redox Status of a Metastatic Microenvironment in the Liver of Patients with Colorectal Cancer from EPR. <i>Applied Magnetic Resonance</i> , <b>2019</b> , 50, 391-402	0.8	1
84	High-Field (3.4 T) ENDOR Investigation of Asphaltenes in Native Oil and Vanadyl Complexes by Asphaltene Adsorption on Alumina Surface. <i>Geofluids</i> , <b>2019</b> , 2019, 1-9	1.5	6
83	Structural dynamics of a spinlabeled ribosome elongation factor P (EF-P) from <i>Staphylococcus aureus</i> by EPR spectroscopy. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	2
82	Distribution of vanadyl complexes and free radicals in asphaltenes fractions from electron paramagnetic resonance. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 282, 012008	0.3	
81	Influence of Al on the Structure and in Vitro Behavior of Hydroxyapatite Nanopowders. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 9143-9154	3.4	15
80	Native Vanadyl Complexes in Crude Oil as Polarizing Agents for In Situ Proton Dynamic Nuclear Polarization. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 10923-10932	4.1	21
79	Sic Parvis Magna: Manganese-Substituted Tricalcium Phosphate and Its Biophysical Properties. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6632-6644	5.5	13
78	Probing the surface of synthetic opals with the vanadyl containing crude oil by using EPR and ENDOR techniques. <i>Magnetic Resonance in Solids</i> , <b>2019</b> , 21,	1.6	3
77	Study of radiation-induced stable radicals in synthetic octacalcium phosphate by pulsed EPR. <i>Magnetic Resonance in Solids</i> , <b>2019</b> , 21,	1.6	6
76	Pulsed NMR spectrometer with dynamic nuclear polarization for weak magnetic fields. <i>Magnetic Resonance in Solids</i> , <b>2019</b> , 21,	1.6	18
75	EPR and double resonances in study of diamonds and nanodiamonds. <i>Experimental Methods in the Physical Sciences</i> , <b>2019</b> , 50, 83-113	0.4	4

74	Conventional, pulsed and high-field electron paramagnetic resonance for studying metal impurities in calcium phosphates of biogenic and synthetic origins. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 470, 109-117	2.8	25
73	EPR study of spectra transformations of the intrinsic vanadyl-porphyrin complexes in heavy crude oils with temperature to probe the asphaltenes' aggregation. <i>Journal of Petroleum Science and Engineering</i> , <b>2018</b> , 166, 363-368	4.4	32
72	Superhyperfine Structure of the EPR Spectra of Nd <sup>3+</sup> Impurity Ions in Fluorite CaF <sub>2</sub> . <i>Physics of the Solid State</i> , <b>2018</b> , 60, 912-915	0.8	2
71	Synthesis and study of the synthetic hydroxyapatite doped with aluminum. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012017	0.3	0
70	W-band EPR of vanadyl complexes aggregates on the surface of Al <sub>2</sub> O <sub>3</sub> . <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012005	0.3	1
69	Conventional electron paramagnetic resonance of Mn <sup>2+</sup> in synthetic hydroxyapatite at different concentrations of the doped manganese. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012006	0.3	1
68	Radiation induced paramagnetic radicals in synthetic octacalcium phosphate. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012018	0.3	2
67	Low-temperature thermal decomposition of heavy petroleum distillates: interconnection between the electrical properties and concentration of paramagnetic centres. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012007	0.3	4
66	Coherent control of electron-nuclear states of rare-earth ions in crystals using radio-frequency and microwave radiation. <i>EPJ Web of Conferences</i> , <b>2018</b> , 195, 06003	0.3	1
65	Study of the oxidized and non-oxidized bitumen modified with additive "Adgezolin" by using electron paramagnetic resonance. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012004	0.3	2
64	Preliminary estimating the contemporary sedimentation trend in dry valley bottoms of first-order catchments of different landscape zones of the Russian Plain using the <sup>137</sup> Cs as a chronomarker. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 107, 012022	0.3	2
63	Colorectal Cancer and Mitochondrial Dysfunctions of the Adjunct Adipose Tissues: A Case Study. <i>BioMed Research International</i> , <b>2018</b> , 2018, 2169036	3	6
62	Mims electron-nuclear double resonance in LiYF <sub>4</sub> :Ce <sup>3+</sup> crystal. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012003	0.3	
61	Study of Organic Self-Assembled Nanosystems by Means of High-Frequency ESR/ENDOR: The Case of Oil Asphaltenes. <i>Russian Journal of General Chemistry</i> , <b>2018</b> , 88, 2374-2380	0.7	10
60	Proton Radical Interaction in Crude Oil: Combined NMR and EPR Study. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 11261-11268	4.1	27
59	Rectal Cancer: Redox State of Venous Blood and Tissues of Blood Vessels from Electron Paramagnetic Resonance and Its Correlation with the Five-Year Survival. <i>BioMed Research International</i> , <b>2018</b> , 2018, 4848652	3	6
58	Studying metal impurities (Mn <sup>2+</sup> , Cu <sup>2+</sup> , Fe <sup>3+</sup> ) in calcium phosphates by electron paramagnetic resonance. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 155, 012002	0.3	1
57	W-Band ENDOR of Light-Induced PPerAcr Anion Radicals in Double-Crystalline Donor-Bridge-Acceptor P3HT-b-PPerAcr Block Copolymer in Frozen Solution: Experimental and DFT Study. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 22829-22837	3.8	6

56	EPR as a complementary tool for the analysis of low-temperature oxidation reactions of crude oils. <i>Journal of Petroleum Science and Engineering</i> , <b>2018</b> , 169, 673-682	4.4	16
55	In Situ Identification of Various Structural Features of Vanadyl Porphyrins in Crude Oil by High-Field (3.4 T) Electron Nuclear Double Resonance Spectroscopy Combined with Density Functional Theory Calculations. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 1243-1249	4.1	31
54	Coherent spin dynamics in a gadolinium-doped CaWO <sub>4</sub> crystal. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	14
53	Superhyperfine structure of the ESR spectra of Gd <sup>3+</sup> impurity ions in LiYF <sub>4</sub> double fluoride. <i>Physics of the Solid State</i> , <b>2017</b> , 59, 564-568	0.8	7
52	Tricalcium Phosphate Ceramics Doped with Silver, Copper, Zinc, and Iron (III) Ions in Concentrations of Less Than 0.5 wt.% for Bone Tissue Regeneration. <i>BioNanoScience</i> , <b>2017</b> , 7, 434-438	3.4	27
51	High-Field, Pulsed, and Double Resonance Studies of Crude Oils and their Derivatives <b>2017</b> , 101-124		1
50	EPR Detection of DNA Interaction with 3-Carboxy-proxyl-Labelled Recombinant Human Histone H1.3. <i>BioNanoScience</i> , <b>2017</b> , 7, 109-111	3.4	
49	Toward the Asphaltene Structure by Electron Paramagnetic Resonance Relaxation Studies at High Fields (3.4 T). <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 6942-6946	4.1	37
48	Connection Between the Carotid Plaque Instability and Paramagnetic Properties of the Intrinsic Mn <sup>2+</sup> Ions. <i>BioNanoScience</i> , <b>2016</b> , 6, 558-560	3.4	3
47	Phonon Spectrum in Hydroxyapatite: Calculations and EPR Study at Low Temperatures. <i>Journal of Low Temperature Physics</i> , <b>2016</b> , 185, 627-632	1.3	5
46	Stomach Cancer: Interconnection between the Redox State, Activity of MMP-2, MMP-9 and Stage of Tumor Growth. <i>Cancer Microenvironment</i> , <b>2016</b> , 9, 27-32	6.1	26
45	Paramagnetic Manganese in the Atherosclerotic Plaque of Carotid Arteries. <i>BioMed Research International</i> , <b>2016</b> , 2016, 3706280	3	15
44	Study of the effects of hydroxyapatite nanocrystal codoping by pulsed electron paramagnetic resonance methods. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 469-474	0.8	13
43	Copper-substituted tricalcium phosphates. <i>Doklady Chemistry</i> , <b>2016</b> , 471, 384-387	0.8	9
42	Electron Paramagnetic Resonance in the Experimental Oncology: Implementation Examples of the Conventional Approaches. <i>BioNanoScience</i> , <b>2016</b> , 6, 431-436	3.4	7
41	Mn-Catalyzed Oxidation of Heavy Oil in Porous Media: Kinetics and Some Aspects of the Mechanism. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 7731-7737	4.1	27
40	The Interplay of manganese and nitrate in hydroxyapatite nanoparticles as revealed by pulsed EPR and DFT. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 20331-7	3.6	26
39	Quantitative Analysis of Lewis Acid Centers of $\gamma$ -Alumina by Using EPR of the Adsorbed Anthraquinone as a Probe Molecule: Comparison with the Pyridine, Carbon Monoxide IR, and TPD of Ammonia. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 27410-27415	3.8	29

38	Superhyperfine structure of the EPR spectra of impurity ions in the LiYF <sub>4</sub> : Nd <sup>3+</sup> system doped by <sup>143</sup> Nd isotopes. <i>Physics of the Solid State</i> , <b>2015</b> , 57, 2400-2403	0.8	4
37	Combination of EPR measurements and DFT calculations to study nitrate impurities in the carbonated nanohydroxyapatite. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1519-26	2.8	32
36	Changes in mitochondrial functioning with electromagnetic radiation of ultra high frequency as revealed by electron paramagnetic resonance methods. <i>International Journal of Radiation Biology</i> , <b>2014</b> , 90, 357-62	2.9	18
35	The Low-Field Pulsed Mode Dynamic Nuclear Polarization in the Pentavalent Chromium Complex and Crude Oils. <i>Applied Magnetic Resonance</i> , <b>2014</b> , 45, 1275-1287	0.8	25
34	Electron Paramagnetic Resonance Study of Rotational Mobility of Vanadyl Porphyrin Complexes in Crude Oil Asphaltenes: Probing the Effect of Thermal Treatment of Heavy Oils. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 6683-6687	4.1	36
33	Nitrogen-containing species in the structure of the synthesized nano-hydroxyapatite. <i>JETP Letters</i> , <b>2014</b> , 99, 196-203	1.2	22
32	EPR study of clusters of rare-earth ions in mixed fluoride crystals. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2014</b> , 116, 773-776	0.7	2
31	A study of hydroxyapatite nanocrystals by the multifrequency EPR and ENDOR spectroscopy methods. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2014</b> , 116, 715-720	0.7	5
30	Electron Paramagnetic Resonance and Electron Nuclear Double Resonance Study of the Paramagnetic Complexes of Anthraquinone on the Surface of Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 14998-15003	3.8	12
29	A DFT, X- and W-band EPR and ENDOR Study of Nitrogen-Centered Species in (Nano)Hydroxyapatite. <i>Applied Magnetic Resonance</i> , <b>2014</b> , 45, 1189-1203	0.8	22
28	Superoxide- and NO-Dependent Mechanisms of the Reprogramming of Bone Marrow Cells by Tumor Cells. <i>Applied Magnetic Resonance</i> , <b>2014</b> , 45, 1261-1273	0.8	7
27	Coherent manipulation of dipolar coupled spins in an anisotropic environment. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	8
26	Study of the Structures of the Tetragonal Paramagnetic Centers in the Mixed Fluorite Crystals with Rare-Earth Ions by EPR. <i>Applied Magnetic Resonance</i> , <b>2014</b> , 45, 1147-1156	0.8	1
25	Electron paramagnetic resonance study of tumor affected bone marrow. <i>Cancer Microenvironment</i> , <b>2013</b> , 6, 273-6	6.1	9
24	Investigation of atherosclerotic plaque by high-frequency EPR. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 478, 012002	0.3	2
23	Perspective of zero-field ODMR to study nano-biological systems. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 478, 012001	0.3	2
22	Pb <sup>3+</sup> radiation defects in Ca <sub>9</sub> Pb(PO <sub>4</sub> ) <sub>6</sub> (OH) <sub>2</sub> hydroxyapatite nanoparticles studied by high-field (W-band) EPR and ENDOR. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2246-9	3.6	28
21	Temperature Dependence of the Proton Overhauser DNP Enhancements on Aqueous Solutions of Fremy's Salt Measured in a Magnetic Field of 9.2 T. <i>Applied Magnetic Resonance</i> , <b>2012</b> , 43, 119-128	0.8	26

20	Coherence times and Rabi oscillations in CaWO <sub>4</sub> :Cr(5+) crystal. <i>Journal of Magnetic Resonance</i> , <b>2011</b> , 209, 61-8	3	24
19	Liquid state DNP using a 260 GHz high power gyrotron. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 5786-90	3.6	85
18	260 GHz quasi-optical setup for EPR and DNP experiments on the 9.2 Tesla DNP/NMR/EPR spectrometer <b>2010</b> ,		3
17	EPR Characterization of a Rigid Bis-TEMPO Bis-Ketal for Dynamic Nuclear Polarization. <i>Applied Magnetic Resonance</i> , <b>2010</b> , 37, 505-514	0.8	29
16	High-field dynamic nuclear polarization in aqueous solutions. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6090-2	16.4	77
15	Coherent spin manipulations in Yb <sup>3+</sup> :CaWO <sub>4</sub> at X- and W-band EPR frequencies. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	22
14	Dynamic nuclear polarization of water by a nitroxide radical: rigorous treatment of the electron spin saturation and comparison with experiments at 9.2 Tesla. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 6638-53	3.6	40
13	High-Field DNP Spectrometer for Liquids. <i>Applied Magnetic Resonance</i> , <b>2008</b> , 34, 289-299	0.8	49
12	First DNP Results from a Liquid Water-TEMPO Sample at 400 MHz and 260 GHz. <i>Applied Magnetic Resonance</i> , <b>2008</b> , 34, 399-407	0.8	37
11	An electrothermal vaporization unit with axially focusing convection upstream and influence of modifiers. Part I: Experimental. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2007</b> , 62, 231-241	3.1	7
10	Temperature dependence of the EPR linewidth of Yb <sup>3+</sup> ions in Y <sub>0.99</sub> Yb <sub>0.01</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> (6 × 7) compounds: evidence for an anomaly near the superconducting transition. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 352-355	3.1	8
9	EPR of Yb <sup>3+</sup> ions in Ba <sub>1-x</sub> LaxF <sub>2+x</sub> mixed crystals. <i>Applied Magnetic Resonance</i> , <b>2005</b> , 28, 41-53	0.8	9
8	Inhomogeneity of the intrinsic magnetic field in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> compounds as revealed by a rare-earth EPR probe. <i>Superconductor Science and Technology</i> , <b>2005</b> , 18, 1183-1189	3.1	3
7	Platform-to-platform sample transfer, distribution, dilution, and dosing via electrothermal vaporization and electrostatic deposition. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2004</b> , 59, 737-748	3.1	11
6	EPR study of some rare-earth ions (Dy <sup>3+</sup> , Tb <sup>3+</sup> , and Nd <sup>3+</sup> ) in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6</sub> -compound. <i>Journal of Magnetic Resonance</i> , <b>2003</b> , 161, 210-4	3	19
5	Spectra and relaxation of electronic excitations in CsCdBr <sub>3</sub> :Yb <sup>3+</sup> and CsCdBr <sub>3</sub> :Nd <sup>3+</sup> monocrystals <b>2002</b> ,		3
4	Debye temperature in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> as measured from the electron spin lattice relaxation of doped Yb <sup>3+</sup> ions. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 349, 30-34	1.3	15
3	Electron spin resonance with g <sub>eff</sub> ≈ 2 in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.35</sub> . Model of chain copper-oxygen fragments. <i>Journal of Experimental and Theoretical Physics</i> , <b>2000</b> , 90, 363-369	1	1

2	Electron spin-lattice relaxation of Er <sup>3+</sup> -ions in Y <sub>0.99</sub> Er <sub>0.01</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1998</b> , 307, 61-66	1.3	17
1	Intensity of the EPR spectrum in quenched samples of Yba <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> compounds. <i>Physics of the Solid State</i> , <b>1997</b> , 39, 374-377	0.8	5