

# Fabio carniato

## List of Publications by Year in descending order

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125  
papers

3,359  
citations

136950

32  
h-index

182427

51  
g-index

129  
all docs

129  
docs citations

129  
times ranked

4412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyhedral oligomeric silsesquioxanes (POSS) thermal degradation. <i>Thermochimica Acta</i> , 2006, 440, 36-42.	2.7	336
2	Structure and Function of Iron-Loaded Synthetic Melanin. <i>ACS Nano</i> , 2016, 10, 10186-10194.	14.6	127
3	Effects of high zinc concentration on poplar leaves: A morphological and biochemical study. <i>Environmental and Experimental Botany</i> , 2011, 71, 50-56.	4.2	117
4	Subcutaneous inverse vaccination with PLGA particles loaded with a MOG peptide and IL-10 decreases the severity of experimental autoimmune encephalomyelitis. <i>Vaccine</i> , 2014, 32, 5681-5689.	3.8	116
5	Niobium(V) Saponite Clay for the Catalytic Oxidative Abatement of Chemical Warfare Agents. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10095-10098.	13.8	83
6	Mn(II) compounds as an alternative to Gd-based MRI probes. <i>Future Medicinal Chemistry</i> , 2019, 11, 1461-1483.	2.3	81
7	A Chemical Strategy for the Relaxivity Enhancement of Gd <sup>III</sup> Chelates Anchored on Mesoporous Silica Nanoparticles. <i>Chemistry - A European Journal</i> , 2010, 16, 10727-10734.	3.3	69
8	Niobium metallocenes deposited onto mesoporous silica via dry impregnation as catalysts for selective epoxidation of alkenes. <i>Journal of Catalysis</i> , 2013, 298, 77-83.	6.2	65
9	Polycatechol Nanoparticle MRI Contrast Agents. <i>Small</i> , 2016, 12, 668-677.	10.0	64
10	Synthesis and Characterisation of Metal Isobutylsilsesquioxanes and Their Role as Inorganic Organic Nanoadditives for Enhancing Polymer Thermal Stability. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 585-591.	2.0	63
11	Relaxivity modulation in Gd-functionalised mesoporous silicas. <i>Chemical Communications</i> , 2009, , 1246.	4.1	62
12	Niobium silica catalysts for the selective epoxidation of cyclic alkenes: the generation of the active site by grafting niobocene dichloride. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13354.	2.8	59
13	Use of plasma fluorinated single-walled carbon nanotubes for the preparation of nanocomposites with epoxy matrix. <i>Composites Science and Technology</i> , 2008, 68, 1008-1014.	7.8	56
14	In situ simultaneous Raman/high-resolution X-ray powder diffraction study of transformations occurring in materials at non-ambient conditions. <i>Journal of Applied Crystallography</i> , 2007, 40, 684-693.	4.5	49
15	On the hydrothermal stability of MCM-41 mesoporous silica nanoparticles and the preparation of luminescent materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 5504.	6.7	49
16	High Relaxivity Gadolinium Polydopamine Nanoparticles. <i>Small</i> , 2017, 13, 1701830.	10.0	48
17	A versatile route to bifunctionalized silsesquioxane (POSS): synthesis and characterisation of Ti-containing aminopropylisobutyl-POSS. <i>Dalton Transactions</i> , 2008, , 36-39.	3.3	47
18	Titanosilsesquioxanes Embedded in Synthetic Clay as a Hybrid Material for Polymer Science. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6059-6061.	13.8	47

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19	A novel luminescent bifunctional POSS as a molecular platform for biomedical applications. Dalton Transactions, 2012, 41, 7467.	3.3	47
20	Titanosilsesquioxane Anchored on Mesoporous Silicas: A Novel Approach for the Preparation of Heterogeneous Catalysts for Selective Oxidations. Chemistry - A European Journal, 2008, 14, 8098-8101.	3.3	44
21	Selective Anchoring of Gd <sup>III</sup> Chelates on the External Surface of Organo-Modified Mesoporous Silica Nanoparticles: A New Chemical Strategy To Enhance Relaxivity. Chemistry - A European Journal, 2013, 19, 1421-1428.	3.3	43
22	Epoxidation with hydrogen peroxide of unsaturated fatty acid methyl esters over Nb(V)-silica catalysts. European Journal of Lipid Science and Technology, 2013, 115, 86-93.	1.5	43
23	Preparation of luminescent ZnO nanoparticles modified with aminopropyltriethoxy silane for optoelectronic applications. New Journal of Chemistry, 2013, 37, 2103.	2.8	43
24	Gd-Based Mesoporous Silica Nanoparticles as MRI Probes. European Journal of Inorganic Chemistry, 2018, 2018, 4936-4954.	2.0	41
25	Rational design of single-site heterogeneous catalysts: towards high chemo-, regio- and stereoselectivity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 1904-1926.	2.1	40
26	Nanosized inorganic metal oxides as heterogeneous catalysts for the degradation of chemical warfare agents. Catalysis Today, 2016, 277, 192-199.	4.4	39
27	Structural Features of Europium(II)-Containing Cryptates That Influence Relaxivity. Chemistry - A European Journal, 2017, 23, 15404-15414.	3.3	39
28	A Single-Pot Template Reaction Towards a Manganese-Based $T_{1\rho}$ Contrast Agent. Angewandte Chemie - International Edition, 2021, 60, 10736-10744.	13.8	38
29	Polypropylene containing Ti- and Al-polyhedral oligomeric silsesquioxanes: crystallization process and thermal properties. Nanotechnology, 2008, 19, 475701.	2.6	37
30	An overview of the recent synthesis and functionalization methods of saponite clay. New Journal of Chemistry, 2020, 44, 9969-9980.	2.8	37
31	Grafted non-ordered niobium-silica materials: Versatile catalysts for the selective epoxidation of various unsaturated fine chemicals. Catalysis Today, 2014, 235, 49-57.	4.4	36
32	Large photoacoustic effect enhancement for ICG confined inside MCM-41 mesoporous silica nanoparticles. Nanoscale, 2017, 9, 99-103.	5.6	34
33	Defining the conditions for the development of the emerging class of Fe <sup>III</sup> -based MRI contrast agents. Chemical Science, 2021, 12, 11138-11145.	7.4	34
34	Enhancing the open circuit voltage of dye sensitized solar cells by surface engineering of silica particles in a gel electrolyte. Journal of Materials Chemistry A, 2013, 1, 10142.	10.3	33
35	The effect of synthesis gel dilution on the physico-chemical properties of acid saponite clays. Microporous and Mesoporous Materials, 2012, 162, 159-167.	4.4	32
36	Incorporation of a Semiconductive Polymer into Mesoporous SBA-15 Platelets: Toward New Luminescent Hybrid Materials. Chemistry of Materials, 2011, 23, 2803-2809.	6.7	31

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37	On a Novel Catalytic System Based on Electrospun Nanofibers and M-POSS. ACS Applied Materials & Interfaces, 2012, 4, 604-607.	8.0	31
38	One-Pot Synthesis and Physicochemical Properties of an Organo-Modified Saponite Clay. Langmuir, 2011, 27, 7250-7257.	3.5	30
39	A novel use of Ti-POSS as initiator of L-lactide ring-opening polymerization. Journal of Polymer Science Part A, 2011, 49, 4794-4799.	2.3	30
40	Understanding the physico-chemical properties of polyhedral oligomeric silsesquioxanes: a variable temperature multidisciplinary study. Physical Chemistry Chemical Physics, 2009, 11, 10087.	2.8	28
41	Synthesis and characterisation of a novel europium(III)-containing heptaisobutyl-POSS. New Journal of Chemistry, 2014, 38, 2480-2485.	2.8	28
42	POSS/gelatin-polyglutamic acid hydrogel composites: Preparation, biological and mechanical characterization. Journal of Applied Polymer Science, 2013, 129, 699-706.	2.6	27
43	A novel stable and efficient light-emitting solid based on saponite and luminescent POSS. Journal of Materials Chemistry, 2012, 22, 25254.	6.7	25
44	Tungstenocene-grafted silica catalysts for the selective epoxidation of alkenes. Applied Catalysis A: General, 2019, 581, 133-142.	4.3	25
45	An efficient ring opening reaction of methyl epoxystearate promoted by synthetic acid saponite clays. Green Chemistry, 2009, 11, 1173.	9.0	24
46	Size effect of synthetic saponite-clay in quasi-solid electrolyte for dye-sensitized solar cells. Solar Energy Materials and Solar Cells, 2013, 117, 9-14.	6.2	24
47	Toward quasi-solid state Dye-sensitized Solar Cells: Effect of Al <sub>2</sub> O <sub>3</sub> nanoparticle dispersion into liquid electrolyte. Solar Energy, 2015, 111, 125-134.	6.1	24
48	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. Chemistry - A European Journal, 2017, 23, 1110-1117.	3.3	24
49	Structure and dynamics of the hydration shells of citrate-coated GdF <sub>3</sub> nanoparticles. Journal of Materials Chemistry B, 2013, 1, 2442.	5.8	23
50	The stability of niobium-silica catalysts in repeated liquid-phase epoxidation tests: A comparative evaluation of in-framework and grafted mixed oxides. Inorganica Chimica Acta, 2015, 431, 190-196.	2.4	23
51	Ti-POSS covalently immobilized onto mesoporous silica: A model for active sites in heterogeneous catalytic epoxidation. Inorganica Chimica Acta, 2012, 380, 244-251.	2.4	21
52	Promotion of Förster Resonance Energy Transfer in a Saponite Clay Containing Luminescent Polyhedral Oligomeric Silsesquioxane and Rhodamine Dye. Chemistry - an Asian Journal, 2014, 9, 158-165.	3.3	21
53	Niobium(V) Saponite Clay for the Catalytic Oxidative Abatement of Chemical Warfare Agents. Angewandte Chemie, 2014, 126, 10259-10262.	2.0	21
54	An efficient epoxidation of terminal aliphatic alkenes over heterogeneous catalysts: when solvent matters. Catalysis Science and Technology, 2016, 6, 3832-3839.	4.1	21

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55	Gadolinium(III)-Based Dual <sup>1</sup> H/ <sup>19</sup> F Magnetic Resonance Imaging Probes. Chemistry - A European Journal, 2019, 25, 4782-4792.	3.3	21
56	Efficient Photoinduced Energy Transfer in a Newly Developed Hybrid SBA-15 Photonic Antenna. Chemistry - A European Journal, 2012, 18, 15310-15315.	3.3	20
57	On the Physico-Chemical Properties of ZnO Nanosheets Modified with Luminescent CdTe Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 25257-25265.	3.1	19
58	Novel hybrid systems based on poly(propylene-g-maleic anhydride) and Ti-POSS by direct reactive blending. Polymer Degradation and Stability, 2011, 96, 1793-1798.	5.8	19
59	MRI nanoprobe based on chemical exchange saturation transfer: Ln <sup>III</sup> chelates anchored on the surface of mesoporous silica nanoparticles. Nanoscale, 2014, 6, 9604-9607.	5.6	19
60	Selective functionalization of mesoporous silica nanoparticles with ibuprofen and Gd( <sup>III</sup> ) chelates: a new probe for potential theranostic applications. Dalton Transactions, 2015, 44, 17927-17931.	3.3	19
61	Studying modifications and reactions in materials by simultaneous Raman and X-ray powder diffraction at non-ambient conditions: methods and applications. Phase Transitions, 2009, 82, 293-302.	1.3	18
62	Controlling water exchange rates in potential Mn <sup>2+</sup> -based MRI agents derived from NO <sub>2</sub> A <sup>+</sup> . Dalton Transactions, 2019, 48, 3962-3972.	3.3	18
63	Chapter 2. Gadolinium-based Contrast Agents. New Developments in NMR, 2017, , 121-242.	0.1	17
64	Investigating Surface vs Bulk Kinetics in the Formation of a Molecular Complex via Solid-State Reaction by Simultaneous Raman/X-ray Powder Diffraction. Crystal Growth and Design, 2009, 9, 3396-3404.	3.0	16
65	<sup>1</sup> H NMR Relaxometric Study of Chitosan-Based Nanogels Containing Mono- and Bis-Hydrated Gd(III) Chelates: Clues for MRI Probes of Improved Sensitivity. ACS Applied Bio Materials, 2020, 3, 9065-9072.	4.6	16
66	Amphiphilic Dtopic Bis-Aqua Gd-AAZTA-like Complexes Enhance Relaxivity of Lipidic MRI Nanoprobes. Chemistry - an Asian Journal, 2016, 11, 2139-2143.	3.3	15
67	Multifunctional Gd-based mesoporous silica nanotheranostic for anticancer drug delivery. Journal of Materials Chemistry B, 2019, 7, 3143-3152.	5.8	15
68	On the Properties of a Novel V-Containing Saponite Catalyst for Propene Oxidative Dehydrogenation. Catalysis Letters, 2009, 131, 42-48.	2.6	14
69	Gadolinium-Decorated Silica Microspheres as Redox-Responsive MRI Probes for Applications in Cell Therapy Follow-Up. Chemistry - A European Journal, 2016, 22, 7716-7720.	3.3	14
70	Luminescent Mesoporous Silica Built through Self-Assembly of Polyhedral Oligomeric Silsesquioxane and Europium(III) Ions. ChemPlusChem, 2015, 80, 915-918.	2.8	13
71	Dimer formation of GdDO3A-arylsulfonamide complexes causes loss of pH-dependency of relaxivity. Dalton Transactions, 2017, 46, 16828-16836.	3.3	13
72	Periodic trends and hidden dynamics of magnetic properties in three series of triazacyclononane lanthanide complexes. Dalton Transactions, 2019, 48, 8400-8409.	3.3	13

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73	Synthetic saponite clays as promising solids for lanthanide ion recovery. <i>New Journal of Chemistry</i> , 2020, 44, 10033-10041.	2.8	13
74	Novel polymer nanocomposites based on polystyrene and Ti-functionalized polyhedral silsesquioxanes. <i>Polymers for Advanced Technologies</i> , 2010, 21, 848-853.	3.2	12
75	Organo-modified ZnO nanoparticles: tuning of the optical properties for PLED device fabrication. <i>New Journal of Chemistry</i> , 2014, 38, 6205-6211.	2.8	12
76	Photoacoustic ratiometric assessment of mitoxantrone release from theranostic ICG-conjugated mesoporous silica nanoparticles. <i>Nanoscale</i> , 2019, 11, 18031-18036.	5.6	12
77	A novel electroluminescent PPV copolymer and silsesquioxane nanocomposite film for the preparation of efficient PLED devices. <i>Nanotechnology</i> , 2012, 23, 435702.	2.6	11
78	[Yb(AAZTA)(H <sub>2</sub> O)] <sup>+</sup> : an unconventional ParaCEST MRI probe. <i>Chemical Communications</i> , 2018, 54, 2004-2007.	4.1	11
79	A pentadentate member of the picolinate family for Mn(II) complexation and an amphiphilic derivative. <i>Dalton Transactions</i> , 2019, 48, 696-710.	3.3	11
80	Lanthanide Complexes of DO3A <sup>-</sup> (Dibenzylamino)methylphosphinate: Effect of Protonation of the Dibenzylamino Group on the Water-Exchange Rate and the Binding of Human Serum Albumin. <i>Inorganic Chemistry</i> , 2019, 58, 5196-5210.	4.0	11
81	Novel light-emitting clays with structural Tb <sup>3+</sup> and Eu <sup>3+</sup> for chromate anion detection. <i>RSC Advances</i> , 2020, 10, 29765-29771.	3.6	11
82	Rational Design of High-Relaxivity Eu <sup>II</sup> -Based Contrast Agents for Magnetic Resonance Imaging of Low-Oxygen Environments. <i>Chemistry - A European Journal</i> , 2021, 27, 3114-3118.	3.3	11
83	Synthesis and structure of new phosphine-substituted homo- and hetero-bimetallic carbonyl clusters of iron, ruthenium and nickel. Characterization of two inorganic-organometallic hybrid materials based on mesoporous SBA-15 silica. <i>Inorganica Chimica Acta</i> , 2010, 363, 1773-1778.	2.4	10
84	POSS as building-blocks for the preparation of polysilsesquioxanes through an innovative synthetic approach. <i>Dalton Transactions</i> , 2015, 44, 2042-2046.	3.3	10
85	Mn <sup>2+</sup> Complexes Containing Sulfonamide Groups with pH-Responsive Relaxivity. <i>Inorganic Chemistry</i> , 2020, 59, 14306-14317.	4.0	10
86	Synthesis of Novel Luminescent Double-Decker Silsesquioxanes Based on Partially Condensed TetraSilanolPhenyl POSS and Tb <sup>3+</sup> /Eu <sup>3+</sup> Lanthanide Ions. <i>Processes</i> , 2022, 10, 758.	2.8	10
87	Organic-Inorganic Hybrid Saponites Obtained by Intercalation of Titanosilsesquioxane. <i>Chemistry - an Asian Journal</i> , 2011, 6, 914-921.	3.3	9
88	Physico-chemical Properties, Biological and Environmental Impact of Nb-saponites Catalysts for the Oxidative Degradation of Chemical Warfare Agents. <i>ChemistrySelect</i> , 2017, 2, 1812-1819.	1.5	9
89	Novel paramagnetic clays obtained through intercalation of Gd <sup>3+</sup> -complexes. <i>Dalton Transactions</i> , 2018, 47, 7896-7904.	3.3	9
90	A Luminescent Polysilsesquioxane Obtained by Self-Condensation of Anionic Polyhedral Oligomeric Silsesquioxanes (POSS) and Europium(III) Ions. <i>ChemPlusChem</i> , 2020, 85, 176-182.	2.8	9

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91	Mn(II)-Conjugated silica nanoparticles as potential MRI probes. Journal of Materials Chemistry B, 2021, 9, 8994-9004.	5.8	9
92	Acid/Vanadium-Containing Saponite for the Conversion of Propene into Coke: Potential Flame-Retardant Filler for Nanocomposite Materials. Chemistry - an Asian Journal, 2012, 7, 2394-2402.	3.3	8
93	NaGd <sub>4</sub> Nanoparticles Coated with Functionalised Ethylenediaminetetraacetic Acid as Versatile Probes for Dual Optical and Magnetic Resonance Imaging. ChemPlusChem, 2015, 80, 503-510.	2.8	8
94	Differences in the Relaxometric Properties of Regioisomeric Benzyl-DOTA Bifunctional Chelators: Implications for Molecular Imaging. Bioconjugate Chemistry, 2019, 30, 1530-1538.	3.6	8
95	More Efficient Prussian Blue Nanoparticles for an Improved Caesium Decontamination from Aqueous Solutions and Biological Fluids. Molecules, 2020, 25, 3447.	3.8	8
96	pH-Dependent Hydration Change in a Gd-Based MRI Contrast Agent with a Phosphonated Ligand. Chemistry - A European Journal, 2020, 26, 5407-5418.	3.3	8
97	Bispyrene Functionalization Drives Self-Assembly of Graphite Nanoplates into Highly Efficient Heat Spreader Foils. ACS Applied Materials & Interfaces, 2021, 13, 15509-15517.	8.0	8
98	Reaction of the novel Ru <sub>3</sub> (CO) <sub>10</sub> [Ph <sub>2</sub> P(CH <sub>2</sub> ) <sub>2</sub> Si(OEt <sub>3</sub> ) <sub>2</sub> ] complex on SBA-15 and MCM-41 mesoporous silicas. Journal of Sol-Gel Science and Technology, 2009, 52, 235-241.	2.4	7
99	On the organic/inorganic interface between mesoporous SBA-16 silica and its structural directing polymer: a combined FT-IR and solid state NMR study. RSC Advances, 2012, 2, 1153-1160.	3.6	7
100	Flow cytometry evidence of human granulocytes interaction with polyhedral oligomeric silsesquioxanes: effect of nanoparticle charge. Nanotechnology, 2013, 24, 185101.	2.6	7
101	Relaxivity Enhancement of Ditopic Bishydrated Gadolinium(III) Complexes Conjugated to Mesoporous Silica Nanoparticles. European Journal of Inorganic Chemistry, 2018, 2018, 2363-2368.	2.0	7
102	Analysis of the Relaxometric Properties of Extremely Rapidly Exchanging Gd <sup>3+</sup> Chelates: Lessons from a Comparison of Four Isomeric Chelates. Inorganic Chemistry, 2020, 59, 9037-9046.	4.0	7
103	Combination of solid-state NMR and <sup>1</sup> H NMR relaxometry for the study of intercalated saponite clays with the macrocyclic derivatives of Gd(III) and Y(III). Dalton Transactions, 2020, 49, 6566-6571.	3.3	7
104	High Relaxivity with No Coordinated Waters: A Seemingly Paradoxical Behavior of [Gd(DOTP)] <sup>5-</sup> Embedded in Nanogels. Inorganic Chemistry, 2022, 61, 5380-5387.	4.0	7
105	Gadolinium-Labelled Cell Scaffolds to Follow-up Cell Transplantation by Magnetic Resonance Imaging. Journal of Functional Biomaterials, 2019, 10, 28.	4.4	6
106	Bifunctional Europium(III) and Niobium(V)-Containing Saponite Clays for the Simultaneous Optical Detection and Catalytic Oxidative Abatement of Blister Chemical Warfare Agents. Chemistry - A European Journal, 2021, 27, 4723-4730.	3.3	6
107	On Water and its Effect on the Performance of <i>T</i> <sub>1</sub> -Shortening Contrast Agents. Israel Journal of Chemistry, 2017, 57, 880-886.	2.3	5
108	Synthesis of an Amphiphilic Bis-Aqua Gd(OBETA) Complex for the Preparation of High-Relaxivity Supramolecular Magnetic Resonance Imaging Probes. ChemPlusChem, 2016, 81, 235-241.	2.8	4

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109	Charged polyhedral oligomeric silsesquioxanes trigger in vitro METosis via both oxidative stress and autophagy. <i>Life Sciences</i> , 2017, 190, 58-67.	4.3	4
110	Tungsten oxide: a catalyst worth studying for the abatement and decontamination of chemical warfare agents. <i>Global Security: Health, Science and Policy</i> , 2017, 2, 62-75.	1.6	4
111	<sup>1</sup> H NMR Relaxometric Analysis of Paramagnetic Gd <sub>2</sub> O <sub>3</sub> :Yb Nanoparticles Functionalized with Citrate Groups. <i>Inorganics</i> , 2019, 7, 34.	2.7	4
112	Macrocyclic PycLen-Based Gd <sup>3+</sup> Complex with High Relaxivity and pH Response. <i>Inorganic Chemistry</i> , 2020, 59, 7306-7317.	4.0	4
113	Magnetic resonance thermometry using a Gd <sup>III</sup> -based contrast agent. <i>Chemical Communications</i> , 2021, 57, 1770-1773.	4.1	4
114	Bifunctional Paramagnetic and Luminescent Clays Obtained by Incorporation of Gd <sup>3+</sup> and Eu <sup>3+</sup> Ions in the Saponite Framework. <i>Inorganic Chemistry</i> , 2021, 60, 10749-10756.	4.0	4
115	Surprising Complexity of the [Gd(AAZTA)(H <sub>2</sub> O) <sub>2</sub> ] <sup>+</sup> Chelate Revealed by NMR in the Frequency and Time Domains. <i>Inorganic Chemistry</i> , 2022, 61, 496-506.	4.0	4
116	Reactions of Co <sub>2</sub> (CO) <sub>8</sub> and of Co <sub>2</sub> (CO) <sub>6</sub> L (L=3-pentyn-1-ol, 1,4-butyn-diol or 2-methyl-3-butyn-2-ol) with 2(diphenylphosphino)ethyl-triethoxysilane and tris(hydroxymethyl)phosphine for applications to new sol-gel materials. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 4241-4249.	1.8	3
117	Water Diffusion Modulates the CEST Effect on Tb(III)-Mesoporous Silica Probes. <i>Magnetochemistry</i> , 2020, 6, 38.	2.4	3
118	Enhancement of the Luminescence Properties of Eu (III) Containing Paramagnetic Saponite Clays. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8903.	2.5	3
119	Synthesis of stable ruthenium carbonyl complexes containing alkynols ligands and 2(diphenylphosphino)ethyl-triethoxysilane: novel complexes to anchor on mesoporous silica SBA-15 and Al <sub>2</sub> O <sub>3</sub> surface. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 58, 564-571.	2.4	2
120	Structured Inorganic Oxide-Based Materials for the Absorption and Destruction of CBRN Agents. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2013, , 43-53.	0.3	2
121	A structural and <sup>1</sup> H NMR relaxometric study on novel layered carboxyalkylaminophosphonate nanocrystals with Gd(III) ions located in the framework. <i>Dalton Transactions</i> , 2015, 44, 19072-19075.	3.3	2
122	Synthesis Routes of POSS. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 1-26.	0.7	2
123	Electronic Effects of the Substituents on Relaxometric and CEST Behaviour of Ln(III)-DOTA-Tetraanilides. <i>Inorganics</i> , 2019, 7, 43.	2.7	2
124	A Single-Pot Template Reaction Towards a Manganese-Based T <sub>1</sub> Contrast Agent. <i>Angewandte Chemie</i> , 2021, 133, 10831-10839.	2.0	2
125	Application of NMR relaxometry for real-time monitoring of the removal of metal ions from water by synthetic clays. <i>Dalton Transactions</i> , 2022, 51, 4502-4509.	3.3	1