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New materials for contact lenses prepared from Si- and Ti-alkoxides by the sol-gel process

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401	Asymptotic equivalence of systems of differential equations. 1985 , 40, 245-246		
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399	New possibilities for variation of glass structure. <i>Journal of Non-Crystalline Solids</i> , 1985 , 73, 669-680	3.9	37
398	New type of non-crystalline solids between inorganic and organic materials. <i>Journal of Non-Crystalline Solids</i> , 1985 , 73, 681-691	3.9	447
397	Trends in sol-gel processing: Toward 2004. <i>Journal of Non-Crystalline Solids</i> , 1985 , 73, 693-699	3.9	26
396	The reactivity of TiO ₂ and ZrO ₂ in organically modified silicates. <i>Journal of Non-Crystalline Solids</i> , 1986 , 82, 31-36	3.9	114
395	Iron(II)- or vanadium(IV)-containing siliceous gels. <i>Journal of Non-Crystalline Solids</i> , 1986 , 82, 373-377	3.9	14
394	Synthesis of niobium pentoxide gels. <i>Journal of Non-Crystalline Solids</i> , 1986 , 79, 383-395	3.9	56
393	Chemistry and Applications of Inorganic-Organic Polymers (Organically Modified Silicates). 1986 , 73, 739		91
392	The gel route to transition metal oxides. 1986 , 64, 322-330		57
391	Sol-Gel Glasses and their Future Applications. 1987 , 46, 1-11		16
390	Structural Evolution of Sol-Gel Glasses. 1987 , 95, 31-54		24
389	X-ray diffraction investigations of silica gel structures. <i>Journal of Non-Crystalline Solids</i> , 1987 , 91, 122-136	3.9	56
388	Chemistry of material preparation by the sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 1988 , 100, 51-64	3.9	247
387	Chemical modification of alkoxide precursors. <i>Journal of Non-Crystalline Solids</i> , 1988 , 100, 65-76	3.9	660
386	Applications of the sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 1988 , 100, 162-168	3.9	175
385	Characterization and chemical durability of 70Ph ₂ SiO ₃ ·30TiO ₂ coating prepared by the sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 1988 , 100, 418-423	3.9	1

384	Sol-gel chemistry of transition metal oxides. 1988 , 18, 259-341		1707
383	Pore structures of sol-gel silica membranes. 1988 , 39, 213-220		30
382	Film Preparation by Inorganic-Organic Sol-Gel Synthesis. 1988 , 121, 743		22
381	References. 1989 , 156-179		
380	Structure-property behaviour of hybrid materials incorporating tetraethoxysilane with multifunctional poly(tetramethylene oxide). 1989 , 30, 2001-2012		178
379	Organic modification of glass structure new glasses or new polymers?. <i>Journal of Non-Crystalline Solids</i> , 1989 , 112, 419-423	3.9	110
378	Inorganic-Organic Composites by Sol-Gel Techniques. 1989 , 171, 3		31
377	Features of Microwave Processing of Inorganic/Organic Hybrid Networks (Ceramic) Materials.. 1990 , 189, 441		
376	Sol-gel processing and structural study of a vitreous polysiloxane doped with titanium. 1990 , 25, 3739-3745		16
375	Aspects Of Chemistry and Chemical Processing Of Organically Modified Ceramics. 1990 , 180, 961		65
374	Inorganic/organic composites for optical application. 1990 , 1328, 249		25
373	Rubbery Ormosils. 1990 , 180, 981		20
372	Hydrolysis and Condensation II. 1990 , 96-233		22
371	New methods of forming glasses and related amorphous solids. <i>Journal of Non-Crystalline Solids</i> , 1990 , 123, 363-376	3.9	4
370	Polytitanosiloxane coatings derived from Ti(OC ₂ H ₅) ₄ -modified organosilane precursors. 1990 , 18, 173-196		15
369	Sol-Gel Method and Its Applications. 1991 , 77, 326-335		1
368	Organometallic-Derived Ceramics. 1991 , 17, 217-225		7
367	Second-harmonic generation from organic molecules incorporated in sol-gel matrices. 1991 , 1, 205-220		26

366	Structure-Related Mechanical Properties of Ormosils by SOL-GEL Process. 1992 , 271, 681		18
365	Feature article. Preparation of new polyimide-silica hybrid materials via the sol-gel process. 1992 , 2, 679-689		169
364	Thermal stability and hardness of new polyacrylate-SiO ₂ hybrid sol-gel materials. 1992 , 13, 261-266		58
363	Formation of microporous silica gels from a modified silicon alkoxide. I. Base-catalyzed gels. <i>Journal of Non-Crystalline Solids</i> , 1992 , 144, 45-52	3.9	29
362	Preparation and properties of silicon-containing hybrid gels from vinyltrimethoxysilane. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 47-51	3.9	20
361	Master behaviour for gelation in fluoride-catalyzed gels. 1992 , 15, 242-247		14
360	Thin films, the chemical processing up to gelation. 1992 , 119-151		20
359	Rubber-like elasticity of organically modified silicates. 1992 , 27, 4415-4420		74
358	In situ polymerization of tetraethoxysilane in poly(methyl methacrylate): morphology and dynamic mechanical properties. 1992 , 33, 1486-1495		195
357	Nitridation of the sol-gel derived TiO ₂ coating films and the infrared ray reflection. 1992 , 27, 658-660		26
356	Crystallization kinetics of a new titanium silicate with MEL structure (TS-2). 1992 , 12, 95-100		56
355	The colloidal process: A new approach to advanced ceramics. 1992 , 4, 582-586		3
354	Inorganic environment derived from the sol-gel route does not improve the thermal or oxidative stability of 2,4-dinitroaniline in coatings. 1993 , 34, 2609-2614		1
353	Structure and morphology of sol-gel prepared polymer-ceramic composite thin films. 1993 , 34, 4607-4612		19
352	Inverse-organic-inorganic composite materials: high glass content non-shrinking sol-gel composites. 1993 , 162, 257-264		34
351	Gelation kinetics of an organically modified silicate. 1993 , 28, 6549-6554		18
350	Small-angle X-ray scattering investigations of fractal dimensions of hybrid inorganic organic network (ceramers) based on tetraethylorthosilicate and polytetramethylene oxide. 1993 , 3, 197-229		10
349	Master behavior for gelation in a sol-gel process under different temperature and pH conditions. <i>Journal of Non-Crystalline Solids</i> , 1993 , 163, 90-96	3.9	2

348	Liquid state ^{29}Si NMR study on the sol-gel reaction mechanisms of ormosils. <i>Journal of Non-Crystalline Solids</i> , 1993 , 159, 65-72	3.9	68
347	Aggregation profiles of silica sols in a sol-gel process. 1993 , 16, 89-95		8
346	Sol-gel glass waveguides prepared at low temperature. 1993 , 63, 3256-3258		86
345	Sol-Gel Optics. 1993 , 101, 1-10		17
344	Advances in Dye-Doped Sol-Gel Lasers. 1993 , 329, 267		26
343	Recent advances in sol-gel processing for improved materials synthesis. 1993 , 9, 937-944		6
342	Preparation and properties of polyimide-polysiloxane hybrid materials by the sol-gel process. 1994 , 6, 95-107		18
341	The preparation of new poly(phenylsilsesquioxane)-polyimide hybrid films by the sol-gel process and their properties. 1994 , 6, 53-62		16
340	On the Effect of Organic Substitution of Silicon Alkoxides in Poly(Vinyl Acetate) Organic-Inorganic Composites. 1994 , 31, 1965-1973		17
339	The influence of methacryloxypropyltrimethoxysilane on the sol-gel process of TEOS. 1994 , 2, 167-170		6
338	Elaboration and characterization of hybrid organic-inorganic gels obtained by reaction of 1,4-butanediol on tetramethoxysilane. 1994 , 2, 193-197		1
337	The current state of sol-gel technology. 1994 , 3, 69-81		36
336	The effects of ultrasonic irradiation on the preparation and properties of Ormosils. 1994 , 3, 109-116		18
335	Zirconium tetra-n-butylate modified with different organic acids: Hydrolysis and polymerization of the products. 1994 , 4, 301-314		2
334	Hybrid organic-inorganic materials synthesized by reaction with alkoxysilanes: Effect of the acid-to-alkoxide ratio on morphology. 1994 , 4, 183-198		24
333	Voltammetric studies of composite ceramic carbon working electrodes. 1994 , 294, 261-270		96
332	Sol-gel approaches for solid electrolytes and electrode materials. 1994 , 70-71, 3-10		26
331	Glass Chemistry. 1994 ,		184

330	Preparation and properties of alumina-organic compound aerogels. <i>Journal of Non-Crystalline Solids</i> , 1994 , 170, 215-222	3.9	15
329	Processing and optical properties of inorganic-organic hybrids (polycerams). I. MPEOU-based waveguides. <i>Journal of Non-Crystalline Solids</i> , 1994 , 178, 31-36	3.9	17
328	Ormosils of High Hardness. 1994 , 346, 397		7
327	Thermal Stability Enhancement of Rubbery Ormosils. 1994 , 346, 709		5
326	Sol-Gel Process. 1995 , 68, 245-251		1
325	Zirconium tetra-n-butylate modified with different organic acids: Hydrolysis and polymerization of the products. 1995 , 5, 409-423		2
324	Ormosil coatings of high hardness. 1995 , 30, 2566-2570		22
323	Viscosity and structure of Ormosil solutions. 1995 , 5, 83-92		22
322	Hard ormosils prepared with ultrasonic irradiation. 1995 , 4, 141-150		23
321	Elaboration et caractérisation de gels hybrides à base d'aluminium. 1995 , 119, 319-323		
320	Phase separation in PMMA/silica sol-gel systems. 1995 , 36, 1425-1434		68
319	Effects of dimethyldiethoxysilane addition on tetraethylorthosilicate sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 1995 , 183, 252-259	3.9	60
318	A ²⁹ Si solid-state magic angle spinning nuclear magnetic resonance study of TEOS-based hybrid materials. <i>Journal of Non-Crystalline Solids</i> , 1995 , 189, 77-89	3.9	63
317	Synthesis of Inorganic-Organic Hybrids from Metal Alkoxides and Ethyl Cellulose. 1996 , 435, 481		
316	Hybrid Sols as Intermediates to Inorganic-Organic Nanocomposites. 1996 , 435, 13		4
315	Synthesis of Inorganic-Organic Hybrids from Metal Alkoxides and Silanol-Terminated Polydimethylsiloxane. 1996 , 435, 321		6
314	Nanolayer Ordering in an Epoxy-Exfoliated Clay Hybrid Composite. 1996 , 435, 79		11
313	Interfacial Effects on the Reinforcement Properties of Polymer/Organoclay Nanocomposites. 1996 , 8, 1584-1587		313

- 312 A new poly(ϵ -caprolactone) containing hybrid ceramer prepared by the sol-gel process. **1996**, 37, 3983-3987 74
- 311 Sol-gel derived, ferrocenyl-modified silicate-graphite composite electrode: Wiring of glucose oxidase. **1996**, 336, 95-106 80
- 310 Mechanical properties of ormosils. **1996**, 7, 151-161 96
- 309 ^{29}Si NMR investigation of condensation reactions of diphenylsilanediol in presence of Ti-, Zr-, Al-, Sn- and Si-alkoxides. **1996**, 7, 217-224 27
- 308 Sol-gel derived ceramic-carbon enzyme electrodes: Glucose oxidase as a test case. **1996**, 7, 123-128 27
- 307 Synthesis of inorganic-organic hybrids by incorporation of inorganic components into organic polymer using metal alkoxides. **1996**, 6, 151-154 22
- 306 Formation of a compatible composite of silica/poly(vinyl alcohol) through the sol-gel process and a calcinated product of the composite. **1996**, 31, 1335-1340 46
- 305 A method for the preparation of PMMA-SiO₂ nanocomposites with high homogeneity. **1996**, 2, 385-393 27
- 304 Ceramic-reinforced polymers and polymer-modified ceramics. **1996**, 36, 2905-2920 286
- 303 Effects of Temperature on Properties of Ormosils. **1996**, 435, 229 4
- 302 Wiring of Glucose Oxidase to Carbon Matrices VIA Sol-Gel Derived Redox Modified Silicate. **1996**, 29, 1933-1938 31
- 301 Polymeric Organic-Inorganic Hybrid Nanocomposites: Preparation of Polyimide-Modified Poly(silsesquioxane) Using Functionalized Poly(amic acid alkyl ester) Precursors. **1997**, 30, 8512-8515 60
- 300 Sol-Gel Materials in Electrochemistry. **1997**, 9, 2354-2375 332
- 299 On the Hydrolytic Stability of Organic Ligands in Al-, Ti- and Zr-Alkoxide Complexes. **1997**, 10, 115-126 66
- 298 Synthesis of new hybrid organic-inorganic alumina gels by the sol-gel method. **1997**, 8, 595-598 5
- 297 Synthesis of polystyrene/silica gel polymer hybrids by in-situ polymerization method. **1997**, 39, 303-310 43
- 296 Sol-Gel preparation of supported metal catalysts. **1997**, 35, 293-317 164
- 295 Sol-gel polyimide-silica composite membrane: gas transport properties. **1997**, 130, 63-74 145

294	Synthesis of Hydrophilic and Hydrophobic High Surface Area Xerogels at pHs Below Silica Iso-electric Point. 1998 , 11, 7-16		9
293	A NMR Study on the Hydrolysis, Condensation and Epoxide Ring-Opening Reaction in Sols and Gels of the System Glycidoxypropyltrimethoxysilane-Water-Titaniumtetraethoxide. 1998 , 12, 169-179		90
292	Investigations on the organic crosslinking in ORMOCERs by means of Raman spectroscopy. 1998 , 102, 1573-1576		10
291	Catalytic reduction of nitric oxide on Pt and Rh catalysts supported on alumina and titania synthesized by the sol-gel method. 1998 , 15, 203-209		39
290	Organic-Inorganic hybrid coatings for coil coating application based on polyesters and tetraethoxysilane. 1998 , 33, 126-130		60
289	Analytical applications of organically modified silicates. 1998 , 129, 149-165		107
288	Laser action in Rhodamine 6G doped titania-containing ormosils. 1998 , 148, 275-280		39
287	Physical properties and structure of organic-inorganic hybrid materials produced by sol-gel process. 1998 , 6, 75-90		160
286	Kinetic investigations of hydrolysis and condensation of the glycidoxypropyltrimethoxysilane/aminopropyltriethoxy-silane system by means of FT-Raman spectroscopy I. <i>Journal of Non-Crystalline Solids</i> , 1998 , 226, 76-84	3.9	131
285	Silicon-Based Interpenetrating Polymer Networks (IPNs): Synthesis and Properties. 1998 , 31, 2716-2723		32
284	Synthesis of Poly(N,N-dimethylacrylamide)/Silica Gel Polymer Hybrids by in situ Polymerization Method. 1998 , 30, 60-65		58
283	Synthesis of chitosan/silica gel polymer hybrids. 1998 , 6, 259-272		12
282	Zirconium Alkoxides as Components of Hybrid Inorganic-Organic Macromolecular Materials \square 1998 , 10, 1777-1784		26
281	Tantalum oxide nanomers for optical applications. 1998 ,		
280	Controlling the Particle Size of Quantum Dots Incorporated in Hybrid Materials. 1998 , 519, 277		3
279	Processing and Performance of V ₂ O ₅ Xerogel, Aerogel, and Aerogellike Materials as Lithium Intercalation Hosts. 1998 , 548, 113		
278	Preparation and Properties of PVC-Silica Composites using Different Catalysts Via Sol-Gel Process. 1999 , 576, 351		5
277	Formation and Hydrolytic Stability of Oxygen Bridged Heterometal Bonds (Si-O-Ti, Si-O-Zr, Si-O-Ta) In Sol - Gel Materials. 1999 , 576, 221		5

276	Effects of inorganic components on the mechanical properties of inorganic-organic hybrids synthesized from metal alkoxides and polydimethylsiloxane. 1999 , 14, 1720-1726	14
275	Processing and optical properties of patternable inorganic-organic hybrid films. 1999 , 85, 2423-2427	35
274	TG-DTA-MS and DSC studies on the thermal-treatment process of the 20% AlO ₃ /28SiO ₂ -epoxySiO _{3/2} organic-organic hybrid system. 1999 , 334, 149-155	7
273	Preparation and properties of polymer microspheres dispersed in a silica gel film. 1999 , 153, 617-623	2
272	Functionalized inorganic-organic composite material derivated by sol-gel for construction of mediated amperometric hydrogen peroxide biosensor. 1999 , 388, 71-78	67
271	Effect of 3-aminopropyltriethoxysilane on properties of poly(butyl acrylate-co-maleic anhydride)/silica hybrid materials. 1999 , 73, 419-424	16
270	Analytical Applications of Silica-Modified Electrodes A Comprehensive Review. 1999 , 10, 1217-1235	94
269	Studies on Glucose Biosensors Based on Nonmediated and Mediated Electrochemical Oxidation of Reduced Glucose Oxidase Encapsulated Within Organically Modified Sol-Gel Glasses. 1999 , 11, 1251-1258	38
268	Organic-organic hybrid materials. I. Characterization and degradation of poly(imide-silica) hybrids. 1999 , 37, 2275-2284	56
267	Synthesis of organofunctionalized polysiloxane from polymeric tributylstannyl ester of silicic acid and chlorosilanes. 1999 , 37, 2363-2369	8
266	Synthetic application of tributylstannyl ester of silicic acid: Synthesis and polymerization of polysiloxane having methacryloyloxypropyl groups. 1999 , 37, 4226-4232	2
265	Synthesis and applications of TEOS/PDMS hybrid material by the sol-gel process. 1999 , 13, 361-372	31
264	Sonogels and derived materials. 1999 , 13, 399-418	87
263	A new method for fabricating water repellent silica films having high heat-resistance using the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 1999 , 260, 167-174	3-9 44
262	Synthesis of Polystyrene and Silica Gel Polymer Hybrids Utilizing Ionic Interactions. 1999 , 11, 1719-1726	92
261	New Synthetic Route to (3-Glycidoxypropyl)trimethoxysilane-Based Hybrid Organic-organic Materials. 1999 , 11, 1672-1679	147
260	Preparation of Organofunctionalized Silica Gel from Polymeric Tributylstannyl Ester of Silicic Acid and Dichlorosilane. 1999 , 31, 625-629	5
259	Fast Proton Conductors from Inorganic-Organic Composites: I. Amorphous Phosphate-Nafion and Silicophosphate-PMA/PWA Hybrids. 1999 , 600, 299	

- 258 Effect of Inorganic Phase Dimension on Structure and Mechanical Properties of Inorganic-Organic Hybrids Prepared from Metal Alkoxides and Polydimethylsiloxane.. **1999**, 107, 1160-1165 4
- 257 NOVEL CERAMER MATERIALS BASED ON JEFFAMINE[®] POLY(PROPYLENE OXIDE) OLIGOMERS AND TETRAMETHOXYSILANE. **2000**, 37, 145-175
- 256 Epoxy/Silica Hybrids. **2000**, 36, 332-337
- 255 Organic/Inorganic hybrid materials. V. Dynamics and degradation of poly(methyl methacrylate) silica hybrids. **2000**, 38, 1972-1980 81
- 254 Silicon-based materials prepared by IPN formation and their properties. **2000**, 78, 724-731 9
- 253 Microstructure and interface in organic/inorganic hybrid composites1. **2000**, 11, 145-150 20
- 252 Organic/Inorganic hybrid materials3 Characterization and degradation of poly(imide/silica) hybrids doped with LiCF₃SO₃. **2000**, 68, 103-109 12
- 251 4-Volt cathode materials for rechargeable lithium batteries wet-chemistry synthesis, structure and electrochemistry. **2000**, 6, 30-46 62
- 250 Inorganic Polymers. **2000**,
- 249 Synthesis and Characterization of Poly(methyl methacrylate)-Silica Hybrid Optical Thin Films. **2000**, 32, 67-72 42
- 248 Improvement of emission intensity in luminescent materials based on the antenna effect. **2000**, 300-301, 55-60 31
- 247 Role of the Comonomer GLYMO in ORMOSILs As Reflected by Nile Red Spectroscopy. **2000**, 12, 2334-2340 35
- 246 Interfacial Interaction in Polyimide/Silica Hybrid Composites by Fluorescence Spectroscopy. **2000**, 12, 839-844 54
- 245 Structure, chemistry, and applications of sol-gel derived materials. **2001**, 163-194 8
- 244 New Preparation Methods for Organic/Inorganic Polymer Hybrids. **2001**, 26, 389-392 58
- 243 Novel PMMA/CaCO₃Nanocomposites Abrasion Resistant Prepared by an in Situ Polymerization Process. **2001**, 1, 213-217 174
- 242 Microviscosities at the Porous Cage of Silica Gels/Glasses and Ormosils through Fluorescence Anisotropy. **2001**, 105, 11076-11080 23
- 241 Gold-Nanocluster-Doped Inorganic/Organic Hybrid Coatings on Polycarbonate and Isolation of Shaped Gold Microcrystals from the Coating Sol. **2001**, 13, 4239-4246 26

240	High-Refractive-Index Thin Films Prepared from Trialkoxysilane-Capped Poly(methyl methacrylate)/Titania Materials. 2001 , 13, 1137-1142	322
239	Nanoscale Properties and Matrix/Dopant Interactions in Dye-Doped Organically Modified Silicate Thin Films. 2001 , 13, 2713-2721	47
238	Polymer/Ceramic Nanocomposites: Control of Shrinkage. 2001 , 7570-7573	
237	Polymer/Ceramic Nanocomposites: Ceramic Phases. 2001 , 7565-7570	1
236	Bioactive Ceramics: Challenges and Perspectives.. 2001 , 109, S49-S57	85
235	Fabrication of Polysilane/Silica Hybrid Thin Films with Controlled Refractive Index. 2001 , 30, 244-245	22
234	Proton exchange nanocomposite membranes based on 3-glycidoxypropyltrimethoxysilane, silicotungstic acid and Zirconium phosphate hydrate. 2001 , 145, 149-160	87
233	An ormosil-based peroxide biosensor: A comparative study on direct electron transport from horseradish peroxidase. 2001 , 72, 224-232	37
232	Chemical structure of composites derived from poly(silicic acid) and 2-hydroxyethylmethacrylate. 2001 , 39, 1342-1352	8
231	Organic/Inorganic hybrid materials. II. Chain mobility and stability of polysiloxane/imide/silica hybrids. 2001 , 79, 965-973	18
230	Thermal, thermomechanical, and electrochemical characterization of the organic/inorganic hybrids poly(ethylene oxide) (PEO)/silica and PEO/silica/LiClO ₄ . 2001 , 81, 2471-2479	33
229	Preparation methodologies of polymer matrix nanocomposites. 2001 , 15, 435-439	54
228	Synthesis of hybrid resins via polysiloxane with methacryloyloxy groups. 2001 , 39, 1-7	2
227	Synthesis of methacrylic copolymers with nona-1-butoxy trititanosiloxane as side groups and its application as a thermosetting resin. 2001 , 39, 1090-1098	
226	Sol-Gel Derived Composite Ceramic Carbon Electrodes. 2001 , 13, 265-275	158
225	Effect of poly(methyl methacrylate) on the physical properties of quantized CdS doped silica xerogels. 2001 , 68, 260-265	4
224	Hybrid organic-inorganic membranes. 2001 , 25, 181-193	55
223	Macroporous morphology of titania films prepared by sol-gel dip-coating method from a system containing poly(ethylene glycol) and poly(vinylpyrrolidone). 2001 , 16, 58-66	22

222	Proton-Conducting Properties of Inorganic-Organic Nanocomposites Proton-Exchange Nanocomposite Membranes Based on 3-Glycidoxypropyltrimethoxysilane and Tetraethylorthosilicate. 2001 , 148, A616	32
221	Sol-gel coatings for optical and dielectric applications. 2001 , 219-262	4
220	Corrosion protection of 1008 carbon steel by hybrid coatings. 2002 , 37, 293-297	6
219	Spectroscopic and corrosion resistance characterization of GLYMO/EOS Ormosil coatings for aluminum alloy corrosion inhibition. 2002 , 44, 295-305	149
218	Eine Eintopf-synthese für chromophore Xerogele auf Silicatbasis. 2002 , 114, 1805-1808	
217	A one-pot synthesis of chromophoric silicate-based xerogels. 2002 , 41, 1729-32	11
216	Structural characterization of the organic/inorganic networks in the hybrid material (TMOS/MSM/MMA). 2002 , 28, 251-262	38
215	Spectroscopic study of TMOS/MSM/MMA gels. 2002 , 28, 299-318	59
214	Chromophores in porous silicas and minerals: preparation and optical properties. 2002 , 51, 91-138	336
213	Solid electrolyte properties of sulfonic acid functionalized mesostructured porous silica. 2002 , 52, 29-37	58
212	Polymer hybrids of functionalized silsesquioxanes and organic polymers utilizing the sol-gel reaction of tetramethoxysilane. 2002 , 43, 1171-1175	72
211	Covalent and non-covalently coupled polyester/organic composite materials. 2002 , 43, 6101-6114	44
210	Epoxy/silica polymers as restoration materials. 2002 , 43, 6635-6640	72
209	Hybrid inorganic/organic materials based on a 6FDA/FPDA/DABA polyimide and silica: physical characterization studies. 2002 , 43, 2385-2400	163
208	Synthesis, characterization and thermal properties of novel epoxy containing silicon and phosphorus nanocomposites by sol-gel method. 2002 , 38, 2219-2224	144
207	Hybrid copolymer latexes cross-linked with methacryloxy propyl trimethoxy silane. Film formation and mechanical properties. 2003 , 6, 1285-1293	14
206	Transparent organic/organic hybrid thin films prepared from acrylic polymer and aqueous monodispersed colloidal silica. 2003 , 82, 388-395	97
205	Ceramic Carbon Electrode Modified with Butyloferrocene. 2003 , 15, 566-572	6

204	Preparation and properties of organic/inorganic hybrid gel films based on polyvinylpolysilsesquioxane synthesized from trimethoxy(vinyl)silane. 2003 , 17, 580-588	21
203	Structure and properties of hybrid poly(2-hydroxyethyl methacrylate)/SiO ₂ monoliths. 2003 , 88, 3168-3175	34
202	Nanocomposites based on a combination of epoxy resin, hyperbranched epoxy and a layered silicate. 2003 , 44, 7449-7457	146
201	Effect of the interfacial structure on the thermal stability of poly(methyl methacrylate)/silica hybrids. 2003 , 397, 219-226	54
200	Morphology and size control of inorganic particles in polyimide hybrids by using SiO ₂ /TiO ₂ mixed oxide. 2003 , 44, 5821-5826	51
199	Rare earth ions, their spectroscopy of cryptates and related complexes in sol-gel glasses. 2003 , 24, 1-13	27
198	Clay-reinforced epoxy nanocomposites. 2003 , 52, 1403-1407	107
197	Synthesis and characterization of organic/inorganic hybrid thin films from poly(acrylic) and monodispersed colloidal silica. 2003 , 44, 593-601	229
196	Structure and properties of poly(vinyl alcohol)/tungsten trioxide hybrids. 2003 , 44, 3515-3522	39
195	Transparent nanohybrids of nanocrystalline TiO ₂ in PMMA with unique nonlinear optical behavior. 2003 , 13, 1475	131
194	Effect of the Interfacial Structure on the Local Dynamics of Poly(methyl methacrylate)-Silica Hybrids. 2003 , 8, 209-224	
193	Microstructure and interfacial interaction of polyimide/silica hybrid nanocomposites prepared with 3-aminopropyltriethoxysilane. 2003 , 10, 475-488	10
192	Preparation of Polyimide/Silica Hybrid Composites Based on Polymer-Modified Silica Gel. 2004 , 41, 1011-1023	3
191	Transparent UV curable antistatic hybrid coatings on polycarbonate prepared by the sol-gel method. 2004 , 51, 312-319	133
190	A new route for organic/inorganic hybrid material synthesis through reactive processing without solvent. 2004 , 45, 1485-1493	40
189	Structure and properties of regenerated cellulose/tourmaline nanocrystal composite films. 2004 , 42, 367-373	64
188	Synthesis and characterization of Ce-stabilized titania for NiMo HDS catalysts. 2004 , 98, 83-89	13
187	Hydrophobic silica sol-gel films for biphasic electrodes and porotrodes. 2004 , 129, 1181-5	14

186	Preparation of Polyimide/Silica Hybrid Composites Based on Polymer-Modified Silica Gel. 2004 , 41, 1345-1357	4
185	Controlling the crystallinity and nonlinear optical properties of transparent TiO ₂ /PMMA nanohybrids. 2004 , 14, 2978-2987	125
184	Characterisation of gold electrodes modified with methyltrimethoxysilane and (3-mercaptopropyl) trimethoxysilane sol-gel processed films. 2005 , 578, 239-245	20
183	Fabrication and evaluation of inorganic-organic composite protonic conductors using inorganic sols as a dispersoid. 2005 , 176, 2991-2995	8
182	Proton-Conductive Membranes Doped with Orthophosphoric Acid Based on Inorganic-Organic Hybrid Materials. 2005 , 88, 3427-3432	7
181	Properties and preparation of thermoplastic polyurethane/silica hybrid using sol-gel process. 2005 , 97, 1316-1325	40
180	Mechanical and flame-retarding properties of styrene-butadiene rubber filled with nano-CaCO ₃ as a filler and linseed oil as an extender. 2005 , 98, 2563-2571	59
179	Synergistic Effect of Inorganic and Organic Components on Solid Acid/Base Properties of Organosiloxane-Based Inorganic-Organic Hybrid Materials. 2005 , 17, 2596-2599	7
178	UV-Light Absorption Properties of Cr-Doped Polyethyleneglycol (PEG)/Glycidoxypropyltrimethoxysilane (GPTMS)/Chelated-Titanium Coating Materials Prepared by the Sol-Gel Process. 2005 , 15, 281-285	
177	Synthesis and characterization of polysilicic acid nanoparticles/waterborne polyurethane nanocomposite. 2005 , 40, 6063-6070	25
176	Internal Polarity of Class I and Class II Type Sol-Gel Hybrid Materials Using Aromatic Aminoketones as Solvatochromic Probes for Adsorbed Solvents and the Silicatic Cage. 2005 , 34, 77-94	8
175	High Refractive Index Films Prepared from Titanium Chloride and Methyl Methacrylate via a Non-Aqueous Sol-Gel Route. 2005 , 34, 227-231	26
174	Proton Conducting Organic-Inorganic Nanocomposite Membranes from MPTS and GPTS. 2005 , 8, A191	12
173	Current and Future Possibilities of Sol-Gel Process. 2005 , 64, 13-19	4
172	Applications of hybrid organic-inorganic nanocomposites. 2005 , 15, 3559	2121
171	The influence of sol-gel processing parameters on the photochromic spectral and dynamic behaviour of a naphthopyran dye in an ormosil coating. 2005 , 15, 703-708	27
170	Preparation of Organic-Inorganic Hybrids Possessing Nanosheets with Perovskite-Related Structures via Exfoliation during a Sol-Gel Process. 2005 , 17, 6198-6204	44
169	Sol-gel synthesis of methyl-modified mesoporous materials with dual porosity. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 777-783	3.9 12

168	Mechanical properties of hybrid organic/inorganic materials. 2005 , 15, 3787		402
167	Combined and Hybrid Adsorbents. 2006 ,		11
166	The Properties and Preparation of Chitosan/Silica Hybrids Using Sol-Gel Process. 2006 , 45, 997-1003		32
165	Synthesis and characterization of SiO ₂ /PEG hybrid materials. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 273-280	3-9	57
164	The novel use of organo alkoxy silane for the synthesis of organic/inorganic hybrid coatings. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2143-2151	3-9	70
163	. 2006 ,		90
162	Organic/inorganic nanocomposites prepared by mechanical smashing of agglomerated silica ultrafine particles in molten thermoplastic resin. 2006 , 17, 981-990		23
161	Nanoreinforcement of flexible epoxy using layered silicate. 2006 , 46, 1667-1673		15
160	Synthesis of silanized polyether urethane hybrid systems. Study of the curing process through hydrogen bonding interactions. 2006 , 42, 2069-2080		33
159	Innovative materials based on sol-gel technology. 2006 , 28, 64-70		35
158	Preparation of ormosil and its applications in the immobilizing biomolecules. 2006 , 114, 1071-1082		77
157	Analysis of the gelation process of hybrid silica/zirconia and silica/titania gels using two different grafted electroactive probes. 2006 , 598, 15-21		
156	Glass strengthening by SiO ₂ /TiO ₂ organically modified silica coating. 2006 , 515, 2145-2152		7
155	Considerations about the sol-gel process: From the classical sol-gel route to advanced chemical nanotechnologies. 2006 , 40, 115-130		64
154	Highly moisture-proof polysilsesquioxane coating prepared via facile sol-gel process. 2006 , 3, 127-131		3
153	The synthesis and application of Pb-doped GLYMO/chelated-zirconium complex coating materials for UV-light absorption. 2006 , 99, 1175-1179		
152	Preparation and properties of a siloxane-containing 2-vinylpyridine/styrene/butadiene copolymer with water glass. 2006 , 99, 891-899		4
151	Effect of baking treatment and materials composition on the properties of bulky PMMA/silica hybrid sol-gel materials with low volume shrinkage. 2006 , 101, 1151-1159		10

150 Medical Applications of Hybrid Materials. 301-335

149 Intermediate Temperature Proton Electrolytes for Polymer Fuel Cells. **2007,**

148 Synthesis and Characterization of Hyperbranched Polyurethane/Urea/Silica Based Hybrid Coatings. **2007, 46, 6408-6416** 47

147 Ellipsometric analysis of the spectral properties and dynamic transitions of photochromic thin films. **2007, 24, 2097** 11

146 Spectroscopic characterization of GPTMS/DETA and GPTMS/EDA hybrid polymers. *Journal of Non-Crystalline Solids*, **2007, 353, 1598-1605** 3.9 18

145 Preparation of TiO₂/Na₂O glass by sol-gel method and structural characterization. *Journal of Non-Crystalline Solids*, **2007, 353, 2832-2836** 3.9 4

144 Three-dimensional core-shell superstructures: mechanically strong aerogels. **2007, 40, 874-84** 248

143 An aqueous sol-gel route to prepare organic/inorganic hybrid materials. **2007, 17, 4430** 18

142 Surface dyeability of cotton and nylon fabrics coated with a novel porous silk fibroin/silica nanohybrid. **2007, 106, 1670-1676** 3

141 Influence of pH on the optical and structural properties of spin coated CeO₂/TiO₂ thin films prepared by sol-gel process. **2007, 601, 4497-4501** 16

140 Photooxidation and stabilization of silanised poly(ether-urethane) hybrid systems. **2007, 92, 2173-2180** 6

139 Properties and preparation of thermoplastic polyurethane/silica hybrids using a modified sol-gel process. **2007, 47, 77-86** 18

138 Synthesis and properties of polyurethanes bearing urethane moieties in the side chain. **2007, 45, 3408-3414** 32

137 Novel in situ coordination copper sulfate/ acrylonitrile-butadiene rubber composite. **2007, 45, 571-576** 15

136 Mechanical properties of functionalized SEBS based inorganic hybrid materials. **2007, 59, 457-468** 44

135 Thermal and mechanical properties of SEBS-g-MA based inorganic composite materials. **2007, 42, 93-100** 40

134 Synthesis and characterization of Cu(II) containing PMMA co-polymer for optical applications. **2007, 42, 3161-3166** 3

133 Surface renewable sol-gel composite electrode derived from 3-aminopropyl trimethoxy silane with covalently immobilized thionin. **2007, 23, 606-12** 21

132	Poly (ether amide) and silica nanocomposites derived from sol-gel process. 2008 , 45, 89-95		24
131	Synthesis of proton conductive inorganic-organic hybrid membranes through copolymerization of dimethylethoxyvinylsilane with vinylphosphonic acid. 2008 , 46, 107-115		11
130	Selected Contemporary Topics in Sol-Gel Electro-Chemistry. 2008 , 155-186		
129	Self-assembly and confinement behaviors of poly(ethylene glycol) distearate within lamellar-mesostructured silica. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5068-5073	3-9	3
128	Synthesis and Characterization of Hyperbranched Polyurethane Hybrids Using Tetraethoxysilane (TEOS) As Cross-Linker. 2008 , 47, 9214-9224		41
127	Scripting approach in hybrid organic-organic condensation simulation: the GPTMS proof-of-concept. 2008 , 34, 1215-1236		12
126	Cell Proliferation and Tissue Compatibility of Organic-Inorganic Hybrid Materials. 2008 , 377, 167-180		4
125	Nanoparticles of Semiconductors in Sol Gel Glasses. 2008 , 257-272		
124	Development of a lead oxide photopatternable organic-inorganic film. 2009 , 94, 144106		5
123	Synthesis of proton conductive inorganic-organic hybrid membranes from organoalkoxysilane and hydroxyalkylphosphonic acid. 2009 , 326, 701-707		28
122	Fast sol-gel technology: from fabrication to applications. 2009 , 50, 241-253		43
121	Sol-gel reactions of 3-glycidoxypropyltrimethoxysilane in a highly basic aqueous solution. 2009 , 9146-52		57
120	Organic-organic Hybrid Slide-Ring Gels: Polyrotaxanes Consisting of Poly(dimethylsiloxane) and β -Cyclodextrin and Subsequent Topological Cross-Linking. 2009 , 42, 7129-7136		55
119	Preparation and characterization of ZnO particles embedded in organic-organic planar waveguide by sol-gel route. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 1132-1135	3-9	22
118	Synthesis of Mineral Nanofiller using Solution Spray Method and its Influence on Mechanical and Thermal Properties of EPDM Nanocomposites. 2009 , 48, 1078-1083		12
117	^{29}Si NMR Spectroscopy of Organosilicon Compounds. 2009 ,		
116	Inorganic Polymers. 2009 , 1		
115	Sol-Gel Electrochemistry:. 2010 , 211-304		5

114	Preparation and characterization of polyvinyl butyral/silica hybrid antireflective coating: effect of PVB on moisture-resistance and hydrophobicity. 2010 , 53, 79-84	23
113	Preparation of LiCoPO ₄ powders and films via sol-gel. 2010 , 56, 320-326	23
112	Comparison of polyimide/multiwalled carbon nanotube (MWNT) nanocomposites by in situ polymerization and blending. 2010 , 116, 3111-3117	28
111	Irradiation of a Nanocomposite of Pseudoboehmite-Nylon 6,12. 2010 , 71, 28-33	3
110	Novel Nanocomposite Optical Plastics: Dispersion of Titanium in Polyacrylates. 2010 , 2010, 1-5	1
109	Elastic behaviour of a nanocomposite thin film undergoing significant strains. 2010 , 21, 105708	3
108	Novel Periphery-Functionalized Solvatochromic Nitrostilbenes As Precursors for Class II Hybrid Materials. 2010 , 22, 2720-2729	5
107	Development of Fabrication Methods of Filler/Polymer Nanocomposites: With Focus on Simple Melt-Compounding-Based Approach without Surface Modification of Nanofillers. 2010 , 3, 1593-1619	116
106	The effect of compactness on the carbothermal conversion of interpenetrating metal oxide/resorcinol-formaldehyde nanoparticle networks to porous metals and carbides. 2010 , 20, 7456	86
105	Thermal and Mechanical Properties of Chitosan/SiO ₂ Hybrid Composites. 2010 , 2010, 1-7	54
104	Inorganic/organic composite membranes. 2010 ,	
103	Substituent-dominated structure evolution during sol-gel synthesis: a comparative study of sol-gel processing of 3-glycidoxypropyltrimethoxysilane and methacryloxypropyltrimethoxysilane. 2010 , 26, 7708-16	6
102	Aerogels Handbook. 2011 ,	316
101	Applications of advanced hybrid organic-inorganic nanomaterials: from laboratory to market. 2011 , 40, 696-753	1060
100	Synthesis and Characterization of Polyimide/Silica Nanocomposites with Coupling Agent. 2011 , 19, 21-28	
99	Crystallization in hybrid organic-inorganic materials through self-organization from 3-glycidoxypropyltrimethoxysilane. 2011 , 119, 387-392	7
98	Preparation of sol-gel hybrid materials from methacryloxypropyltrimethoxysilane and tetramethyl orthosilicate: study of the hydrolysis and condensation reactions. 2011 , 289, 1875-1883	39
97	Preparation and properties of melt-mixed metallocene polyethylene/silica nanocomposites. 2011 , 51, 434-444	14

- 96 Nanostructured hybrid polymer networks from in situ self-assembly of RAFT-synthesized POSS-based block copolymers. **2011**, 49, 4343-4352 41
- 95 Properties and Preparation of Chitosan/Silanol Quaternary Ammonium Modified Silica Hybrids Using Sol-Gel Process. **2011**, 50, 1430-1446 2
- 94 Preparation and properties of melt blended metallocene polyethylene/silica nanocomposites: modifier effects. **2012**, 32, 12-18 12
- 93 Citation analysis of the contact lens field. **2012**, 89, 70-9 12
- 92 Synergistic effect between carbon black nanoparticles and polyimide on refractive indices of polyimide/carbon black nanocomposites. **2012**, 36, 903 15
- 91 Synthesis and characterization of Zr, Ti, Al-phthalate and pyridine-2-carboxylate compounds and their use in ring opening polymerization. **2012**, 433-434, 223-228 15
- 90 Surface and related bulk properties of titania nanoparticles recovered from aramid/titania hybrid films: A novel attempt. **2012**, 47, 3308-3316 8
- 89 Inorganic-Organic Sol-Gel Hybrids. **2012**, 139-158 1
- 88 . **2012**, 7, 1-7 9
- 87 Novel organic/inorganic hybrid coatings prepared by the sol-gel process: corrosion and mechanical properties. **2012**, 61, 1101-1106 14
- 86 Investigation of the effect of ZnO nanoparticles on the thermomechanical and microbial properties of hyperbranched polyurethane-urea hybrid composites. **2012**, 61, 1309-1317 11
- 85 Release of ceria nanoparticles grafted on hybrid organic-inorganic films for biomedical application. **2012**, 4, 3916-22 18
- 84 Investigation of polyurethane (urea)/modified nano-calcium carbonate hybrid aqueous dispersions and their films. **2012**, 125, 2896-2901 4
- 83 Preparation and characterization of poly(chlorotrifluoroethylene-co-ethylvinyl ether)/poly(styrene acrylate) core/shells and SiO₂ nanocomposite films via a solution mixing method. **2012**, 126, 1709-1713 2
- 82 Preparation of Al, Ti, Zr-perfluoroheptanoate compounds and their use in ring opening polymerization. **2012**, 423-424, 205-210 14
- 81 Synthesis, characterization and electrical properties of Titanium molybdate composite membrane. **2012**, 286, 8-15 17
- 80 Polymerization of 3-glycidyloxypropyltrimethoxysilane with different catalysts. **2012**, 123, 3527-3534 15
- 79 Gels dried under supercritical and ambient conditions: a comparative study and their subsequent conversion to silica/carbon composite aerogels. **2013**, 67, 592-600 6

78	Preparation and properties of melt-blended polylactic acid/polyethylene glycol-modified silica nanocomposites. 2013 , 130, 496-503	11
77	Synthesis, characterization, and analyses of mechanical, adhesion, and thermal properties of polysiloxane resin modified with segmented polyurethane. 2013 , 10, 97-108	23
76	SolGel Process and Applications. 2013 , 883-910	18
75	Synthesis, characterization and influence of electrolyte solutions on electrical properties of organic/inorganic composite membrane. 2013 , 1049, 280-287	
74	Inorganic/Organic Hybrid Nanocomposite and its Device Applications. 2013 , 201, 65-101	1
73	Identification of relationship between the synthesis/process parameters and properties of a sol-gel-derived polymer nanocomposite system. 2013 , 129, 3704-3709	5
72	Irradiation of Pseudoboehmite-Polypropylene Nanocomposites. 2014 , 29, 41-47	
71	A new suction method for the measurement of pore size distribution of filter layer in permeable formwork. 2014 , 60, 57-62	1
70	A Comparative Study of Anticorrosion Paints Based on Silicone-Urethane Binders: a Multilayer Primer. 2014 , 6, 45-56	4
69	Nanocomposite Films. 2014 , 109-130	2
68	Unusual mechanical properties of melt-blended poly(lactic acid) (PLA)/clay nanocomposites. 2014 , 52, 193-206	83
67	Polymer/Ceramic Nanohybrid Materials. 2014 , 143-185	22
66	Monolithic SolGel Materials. 2015 , 317-344	3
65	SolGel Optical and Electro-Optical Materials. 2015 , 1239-1280	3
64	Simultaneous ROMP and titania sol-gel reactions and nanodispersed functional organic/inorganic composite hybrid materials. 2015 , 3, 693-702	5
63	Novel organic/inorganic hybrid materials based on epoxy-functionalized silanes. 2015 , 76, 542-551	1
62	Surface functionalized zinc oxide (ZnO) nanoparticle filled organic/inorganic hybrid materials with enhanced thermo-mechanical properties. 2015 , 89, 82-90	31
61	Smart Protection of Polymer-Inhibitor Doped Systems. 2015 , 431-459	1

60	Drug Delivery Systems Obtained from Silica Based Organic-Inorganic Hybrids. 2016 , 8,	27
59	Polymer/Ceramic Nanocomposites: Control of Shrinkage. 2016 ,	
58	In Situ Surface Assembly Derived Ultralow Refractive Index MgF ₂ /SiO ₂ Hybrid Film for Tri-Layer Broadband Antireflective Coating. 2016 , 4, 722-730	15
57	Preparation of styrene-Emethacryloxypropyltrimethoxysilane/Pd nanoparticles as ink for ink-jet printing technology and electroless nickel plating on glass. 2016 , 68, 423-430	5
56	Efficient Removal of Organic Pollutants and Metal Ions Using Amphiphilic Polymer Nanoparticle. 2016 , 145-166	
55	Preparation and characterization of polystyrene sulfonic acid-co-maleic acid copolymer modified silica nanoparticles. 2016 , 23, 1	3
54	Formation of nanoparticle added functional polymer network membrane via micro-phase separation process. 2016 , 27, 871-876	3
53	Preparation and Properties of Polylactic Acid (PLA)/Silica Nanocomposites. 2016 , 55, 211-228	34
52	Formulation influence on the sol-gel formation of silica-supported ionogels. 2016 , 78, 34-39	13
51	Greener Chemistry for Hybrid Materials, Alcohol-Free Synthesis with an Epoxy-Cyclohexyl Precursor. 2017 , 302, 1600394	
50	Structure and Optical Properties of Titania-PDMS Hybrid Nanocomposites Prepared by In Situ Non-Aqueous Synthesis. 2017 , 7,	15
49	Designing Silica-Based Hybrid Polymers and Their Application in the Loading and Release of Fluorescein as a Model Drug and Diagnostic Agent. 2018 , 37, 411-418	6
48	General Background of Sol-Gel Coatings for Corrosion Mitigation. 2018 , 23, 63-113	2
47	Inorganic-Organic Hybrids for Biomedical Applications. 2018 , 3619-3703	2
46	Functionalizable Sol-Gel Silica Coatings for Corrosion Mitigation. 2018 , 11,	23
45	3D-Printed Organic-Ceramic Complex Hybrid Structures with High Silica Content. 2018 , 5, 1800061	30
44	Preparation and characterization of poly(3-glycidoxypropyltrimethoxysilane) nanocomposite using organophilic montmorillonite clay (Mag-cetyltrimethylammonium). 2019 , 53, 4313-4322	5
43	Effect of Water Content on Sodium Chloride Sorption in Cross-Linked Cation Exchange Membranes. 2019 , 52, 2569-2579	4

42	Optical, mechanical and thermal properties of PMMA/graphite nanocomposite thin films. 2019 , 6, 075315	3
41	Sol-Gel Deposition of Thin Films. 2019 , 1-18	3
40	A hydrophobic ultralow refractive-index silica coating towards double-layer broadband antireflective coating with exceptionally high vacuum stability and laser-induced damage threshold. 2019 , 563, 340-349	14
39	Effect of organic precursor in hybrid sol-gel coatings for corrosion protection and the application on hot dip galvanised steel. 2019 , 89, 264-283	10
38	From past research experiences looking to the future of sol-gel. 2020 , 95, 494-502	3
37	Studies on titanium oxide core, transparent polymer shell nanocomposite thin films. 2021 , 37, 71-74	
36	Oxide-based self-cleaning and corrosion protective coatings. 2021 , 135-173	
35	Europium ions as a spectroscopic probe in the study of PMMA-SiO ₂ hybrid microstructure with variable coupling agent. 1	
34	Hydrophilic Coating Materials. 2004 , 187-194	1
33	Polymer-Crosslinked Aerogels. 2011 , 251-285	19
32	Interpenetrating Organic/Inorganic Networks of Resorcinol-Formaldehyde/Metal Oxide Aerogels. 2011 , 287-313	3
31	Inorganic-Organic Composites for Optoelectronics. 1994 , 451-481	7
30	Organically Doped Sol-Gel Porous Glasses: Chemical Sensors, Enzymatic Sensors, Electrooptical Materials, Luminescent Materials and Photochromic Materials. 1994 , 539-582	26
29	Design of Microstructures in Sol-Gel Processed Silicates. 1987 , 39-65	4
28	Nanocomposites for Coatings and Optics. 1995 , 611-624	1
27	The Sol-Gel Process for Non-Metallic Inorganic Materials. 1986 , 49-56	6
26	Inorganic/Organic Polymers for Contact Lenses by the Sol-Gel Process. 1985 , 580-591	3
25	Sol-gel process applications: A mini-review. 2,	43

- 24 NEW METHOD OF OBTAINING GELATINE-SiO₂ COMPOSITE SYSTEMS USING 3-GLYCIDOPROPYLTRIMETHOXYSILANE AND 3-CHLOROPROPYLTRIMETHOXYSILANE. **2017**, 293-300 1
- 23 Organic-Inorganic Hybrid Material Synthesis by on Line Coupling Twin Screw Extruder with a Microwave Oven. **2005**, 20, 345-351 1
- 22 Birth of the sol-gel method: early history. 1 0
- 21 Synthesis, Thermal and Wear Properties of Waterborne Polyurethane/Polysilicic Acid Nanocomposite. **2004**, 778-783
- 20 Development of High-Efficient Small Fuel Cells : I. Synthesis of Organic-Inorganic Nanocomposite Electrolyte Membranes. **2005**, 42, 50-55
- 19 Synthesis of Mechanically Flexible Organic-Inorganic Hybrid Nanocomposites from Polydimethylsiloxane and Metal Alkoxides. **2009**, 173-192
- 18 Chapter 7:Hybrid Silica-Based Composites. **2009**, 160-175
- 17 Processing and Mechanical Properties of Hybrid Sol-Gel-Derived Nanocomposite Coatings. **2010**, 147-204 1
- 16 Determination of Hardness and Modulus of Thin Films. **2010**, 47-78
- 15 Inorganic/Organic Gel Coating of Whisker or Particulate for Composites. **1990**, 479-487
- 14 Sol-Gel Reaction Mechanisms of Ormosils and Effects of Ultrasonic Irradiation. **1994**, 15-18
- 13 . **1994**, 6, 95-107 1
- 12 Sol-Gel Derived Ceramic-Carbon Enzyme Electrodes: Glucose Oxidase as a Test Case. **1996**, 123-128 1
- 11 3-(Glycidoxypropyl)-trimethoxysilane based hybrid organic-inorganic materials obtained with different synthetic procedures. **1999**, 148-153
- 10 Inorganic-Organic Hybrids for Biomedical Applications. **2016**, 1-86
- 9 Synthesis and Characterization of Polyacrylic Acid Based Nano-Hybrid Polymers for Malachite Green Uptake. **2020**, 6, 682-685
- 8 HYBRID POLYMER-SILICA ADSORBENT FOR CHROMATOGRAPHY. **2006**, 55-62
- 7 Synthesis of organotrimethoxy silane modified alumino-siloxane hybrid gels: Physico-chemical properties evaluation and design of superhydrophobic smart powders and coatings. **2022**, 278, 125587 0

6	Comprehensive Study on Materials used in Different Types of Additive Manufacturing and their Applications. 2022 , 7, 92-114	0
5	Thermoset nanocomposites. 2022 , 419-501	
4	Sol-gel derived silica: A review of polymer-tailored properties for energy and environmental applications. 2022 , 336, 111874	1
3	Sol-Gel ceramic glazes with photocatalytic activity.. 2022 , 1-15	
2	Organic-Inorganic Hybrid Material Synthesis by on Line Coupling Twin Screw Extruder with a Microwave Oven. 2022 , 20, 345-351	1
1	Skillful Control of Dispersion and 3D Network Structures: Advances in Functional OrganicInorganic Nano-Hybrid Materials Prepared Using the Sol-Gel Method. 2022 , 14, 3247	1