

業績調書

氏名 藤森厚裕

I 研究業績

1. 学位論文

論文名 “Formation, Structure, and Function of the Organized Molecular Films for Fluorinated Amphiphiles with Vinyl Group and Their Comb Polymers with Various Chain Lengths.” 博士（理学）（埼玉大学）

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2. 研究論文(274報)

●原著論文205報、プロシーディングス12報、解説・総説・記事35報、著書22件

- 2-1 研究論文A[学術雑誌論文(レフリー付き論文)](corresponding authorに*を記載)
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4 . 著書

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- (CSJカレントレビュー04) 『“单分子膜中でも、官能基レベルの配向がわかる！~LB膜の偏光NEXAFS測定システム(藤森厚裕著)”，化学同人，**2011**, pp.49.
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 - 16) 平山周平, 藤森厚裕*, “新規表面改質法を用いた有機化カーボンナノチューブによる界面単層膜形成とポリマーナノコンポジット創出”, 『カーボンナノチューブの表面処理・分散技術と複合化事例』, 第 5 章 第 4 節, 技術情報協会, **2019**, pp.194-206. (ISBN 978-4-86104-772-5)
 - 17) S. Hirayama, Y. Abiko, A. Fujimori*, “Surface Modification of Aluminosilicate by Amphiphiles. –Fabrication of Ultrathin Films–”, Chapter 4 of An Introduction to Aluminosilicates, Nova Science Publishers, **2019**, 153-185. (ISBN 978-1-53617-250-8).
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- 22) Y. Yamada, A. Fujimori,* "The Proposal of a New Preparation Method for Nanocellulose at the Air/Water Interface and Its Application to Starch.", Chapter 1 of *Advances in Materials Science Research*, Vol. 68, Nova Science Publishers, **2024**. (ISBN: 979-8-89113-686-1)

5. 国内学会や国際会議での基調講演・招待講演

1. フルオロカーボン系分子団による界面膜の形成と構造, および機能
藤森 厚裕
第74回 コロイドおよび界面化学討論会一般シンポジウム 有機フッ素化合物の関わる界面化学の新展開(招待講演), 信州大学長野キャンパス, 2023.9.13
2. フッ化炭素鎖修飾ナノフィラーの物理化学 -溶媒中ナノ分散と高分子系ナノコンポジット創出-
藤森 厚裕
第12回 フッ素化学セミナー(招待講演), 弘前大学, 2018.10.24
3. 結晶性フッ素ポリマー/フッ素化ホスホン酸修飾 "透明"ナノハイブリッドの創出
藤森 厚裕
フルオラス科学研究会第10回シンポジウム(招待講演), 公益財団法人野口研究所, 2017.10.13
4. "New Proposal of Transparent Technology of "Crystalline" Polymer and Expansion into Its Nano-hybrid with Functional Filler"
Atsuhiro Fujimori
International S & T Cooperation Program (invited), Zhejiang University of Technology, 2015.9.22
5. 「結晶性高分子透明化技術の新提案と, その機能性フィラーナノ複合化への展開」
藤森 厚裕
高分子学会 プラスチックフィルム研究会(招待講演), 東京工業大学 大岡山キャンパス 西9号館コラボレーションルーム, 2015.7.16
6. 「全フッ素化, ならびに部分フッ素化結晶性フッ素ポリマーの機能革新 -高密度非晶鎖制御とナノハイブリッド化-」
藤森 厚裕
第12回 フッ素相模セミナー(招待講演), 相模中央研究所, 2015.6.4
7. 「結晶性高分子による耐熱性透明材の構築と, 新規表面修飾技術を用いた有機化フィラーとのナノ複合化」
藤森 厚裕
高分子学会関東支部千葉地区若手の会(招待講演), 千葉工業大学, 2014.3.14
8. 「耐熱型"結晶性"透明フレキシブルフィルムの開発とナノ複合化」
藤森 厚裕
スーパーコンポジット研究会第8回講演会(招待講演), 東工大 大岡山キャンパス, 2013.9.3
9. 「延伸加工による結晶性高分子の構造制御と透明化」
藤森 厚裕
技術情報協会(招待講演), ゆうばうと5F かたくり, 2013.8.29
10. 「全フッ素化結晶性樹脂による高分子透明化手法の新提案」
藤森 厚裕
第3回 フッ素化学若手の会(招待講演), 琵琶湖リゾートクラブ, 2013.8.9
11. 「"結晶性"フッ素樹脂透明材料による耐熱型・光伝送体の構築」
藤森 厚裕
高分子学会関東支部第24回埼玉地区懇話会, 埼玉大学, 2012.12.7
12. 「"結晶性"フッ素樹脂による耐熱型プラスチック光ファイバーの開発」
藤森 厚裕
繊維応用技術研究会(招待講演), ホテルアヴィーナ大阪, 2012.12.6

13. 「結晶性フッ素樹脂の構造-機能相関 -造核剤添加効果、クレイナノコンポジット形成から耐熱性透明材料の形成まで-」
藤森 厚裕
日本学術振興会フッ素化学第155委員会講演会(招待講演), 東京農工大小金井キャンパス140周年記念会館, 2012.10.25
14. 「ソフト界面が形成誘起する超薄分子組織体の構造化学 -ポリマーナノフィルムからポリマーナノスフィアまで-」
藤森 厚裕
日本化学会第 92 春季年会 特別企画・ソフト界面を活かした先端化学(招待講演), 慶應義塾大学日吉キャンパス, 2012 年 3 月
15. 「超薄分子組織膜の構造化学」
藤森 厚裕
第 12 回表面力セミナー (招待講演), 東北大多元研, 2012 年 3 月
16. 「超薄分子組織膜の構造化学-高分子 LB 膜からポリマーナノスフィア層状組織体まで-」
藤森 厚裕
平成 23 年度コロイドおよび界面化学討論会(受賞講演), 京都大学, 2011 年 9 月
17. 「超薄高分子組織膜の構造化学-LB 膜から積層粒子層状組織体まで-」
藤森 厚裕
平成 23 年度纖維学会年次大会(招待講演), タワーホール船堀, 2011 年 6 月
18. 「超薄高分子組織膜の構造化学-LB 膜から粒子積層構造体まで-」
藤森 厚裕
第 11 回表面力セミナー (招待講演), 東北大多元研, 2011 年 3 月
19. 「超薄分子組織膜の構造化学」
藤森 厚裕
2010 年度日本化学会東北支部秋季研究発表会(招待講演), 岩手大学, 2010 年 9 月
20. 「結晶性フッ素樹脂の構造科学-ラメラ・球晶形成から造核剤添加効果, 透明材料の構築まで」
藤森 厚裕
第 59 回高分子討論会(依頼講演)、北海道大学高等教育機能開発総合センター、2010 年 9 月
21. 「機能性原子団を含む櫛型共重合体組織化膜の形成と構造」
藤森 厚裕
2009 年度日本化学会東北支部秋季研究発表会(依頼講演)、日本大学工学部、2009 年 9 月
22. "Structural Control of Organized Molecular Films for Comb Copolymers Containing Functionalized Groups and Its Structural Estimation"
A. Fujimori, Asian International Symposium (Invited Lecture), Funabashi, Chiba, March 2009.
23. 「結晶性フッ素樹脂ファイバーの微細構造評価」
藤森 厚裕
第 57 回高分子討論会(依頼講演)、大阪市立大学杉本キャンパス、2008 年 9 月
24. 「櫛型高分子化合物の組織分子膜中における構造制御とその評価 / Structural control of organized molecular films for comb polymers and its structural estimation」
藤森 厚裕、舛屋 謙介、増子 徹、伊藤 英輔、原 正彦、金井 要、大内 幸雄、関 一彦、中原 弘雄
第 16 回 日本 MRS 学術シンポジウム(招待講演)、日本大学駿河台キャンパス 2005 年 12 月
25. 「組織分子膜の手法による両親媒性ジアセチレン誘導体の光重合と NEXAFS 分光法による構造評価」
藤森 厚裕
第1回 東北地区活性化若手セミナー(招待講演)、秋田大学乳頭ロッジ、2004年3月

II 知財・成果有体物 <特許は登録済みのもの。成果有体物は供与実績のあるもの>

1. 発明の名称 : 有機化ベントナイトの製造方法及びこれにより得られる有機化ベントナイト
発明者・出願人 : 黒坂恵一, 齢田宗弘, 藤森厚裕 (特願 2009-214958, 特開 2011-063475) 出願日
2009.09.16(特許第 5718559 号)
2. 発明の名称 : タンパク質-疎水性有機化剤吸着粘土複合体及びその製造方法

- 発明者・出願人：黒坂恵一，窪田宗弘，藤森厚裕（特願 2011-260225，特開 2013-112567）出願日
2011.11.29
3. 発明の名称：表面修飾ナノダイヤモンドおよびナノダイヤモンド分散液
発明者・出願人：梅本浩一，久米篤史，伊藤久義，藤森厚裕（特願 2016-009668，特開 2017-12848）
出願日 2016.1.28(特許第 6802967 号)
4. 発明の名称：表面修飾ナノダイヤモンド、前記表面修飾ナノダイヤモンドを含む分散液及び複合材料
発明者・出願人：梅本浩一，久米篤史，伊藤久義，藤森厚裕（特願 2016-162469，特開 2018-03.71）出
願日 2016.8.23(特許第 6755020 号)
5. 発明の名称：表面修飾ナノダイヤモンド、前記表面修飾ナノダイヤモンドを含む分散液、及び
複合材料
発明者・出願人：梅本浩一，久米篤史，城大輔，伊藤久義，藤森厚裕（特願 2017-035673，特開
2018-140893）出願日 2017.2.28(特許第 6800445 号)
6. 発明の名称：潤滑油組成物
発明者・出願人：中島達貴，設楽裕治，多田亜喜良，山本拓海，藤森厚裕（特願 2019-085422，特
開 2020-180248）出願日 2019.4.26
7. 発明の名称：潤滑油組成物
発明者・出願人：中島達貴，設楽裕治，多田亜喜良，山本拓海，藤森厚裕（特願 2019-085425，特
開 2020-180249）出願日 2019.4.26

III 大学等における教育歴（非常勤講師等を含む）

(西暦) 2003年 4月 ~ 2011年 3月 (山形大学・助手(2007年より助教))

(担当科目：有機化学演習，物性工学演習，高分子工学演習，情報処理演
習，物性工学実験，高分子工学実験，物性工学輪講，卒業研究，機能高
分子特別演習(院・前期)，機能高分子特別実験(院・前期)，高分子固体構造
特論(院・後期))

(西暦) 2011 4月 ~ 2020年 9月現在 (埼玉大学・准教授)

(担当科目：基礎化学II/無機化学I，構造解析II，有機材料化学，工学入門セミナー，工学基礎実験，機能材料工学実験I，応化実験I(無機化学系)，応化実験III(生命化学系)，機能材料工学概論[※終了]，工学と社会(機能材料系)[※終了]，科学技術史，機能材料工学総論(院・前期，※終了)，機能高分子構造特論(院・前期)，機能高分子化学特論(院・前期)，ナノ構造制御工学特別輪講(院・前期)，機能表面科学特論(院・後期))

IV 社会的業績

(※学会等での受賞歴)

1. 第 28 回エラストマー討論会優秀発表賞(連名：森田啓介，赤坂修一，浅井茂雄，藤森厚裕「無機
フィラー充填光重合性高分子材料の EDH 流体を用いた構造形成への電場条件の検討」，
30/11/2017).
2. 第 18 回 CERI 最優秀発表論文賞(連名：赤坂修一，森田啓介，藤森厚裕，浅井茂雄「EHD 対流を
用いたナノダイヤネットワーク形成における作成条件の影響」，19/05/2016)
3. マツダ財団 2014 年度研究助成 選考委員奨励賞(単独：「350 °C 耐熱！初めて『結晶』で創る新奇
フレキシブル透明プラスチックフィルムの開発に資する、高分子透明化技術の新提案」26/09/2014)
4. 日本化学会 コロイドおよび界面化学部会 平成 23 年度科学奨励賞 (単独：「機能性原子団を含む
樹型共重合体組織化膜の分子配列制御」，08/09/2011)
5. 第 46 回熱測定討論会三翠賞 (連名：乳井樹，藤森厚裕，「"結晶性"フッ素系共重合体透明フィル
ムの延伸に伴うラメラ配列変化」，28/09/2010)
6. 2008 年度高分子研究奨励賞 (単独：「フッ化炭素鎖を含む結晶性高分子の構造制御とその評価」，
28/05/2009)
7. 2007 年日本 MRS 若手奨励研究賞 (単独: 9/12/2007)
8. 第 55 回コロイドおよび界面化学討論会 ポスター賞 (単独: 13/09/2002).
9. Best poster award on the International Conference on Colloid and Surface Science, the 25th

V 学会等における活動状況

1. Member of organizing committee of 19th International Conference on Organized Molecular Films (LB19, ICOM-19), Tokyo, Japan, August 2025.
2. 日本化学会 第95, 98, 100, 101, 103, 104春季年会プログラム編成委員(2015, 2018, 2020, 2021, 2023, 2024, コロイド・界面化学)
3. 第68, 69, 71-74回 コロイドおよび界面化学討論会実行委員(2017, 2018, 2020-2023年, ※2021-2023年: 分子膜セッション代表オーガナイザー)
4. 第72回 高分子学会年次大会(2023) 実行委員
5. Okinawa Colloids 2019 Membrane/LB film Sessionオーガナイザー (2018-2019年)
6. 高分子学会 平成25, 26年度 代議委員
7. アジア圏国際会議 IUMRS-ICA2014(2015.8.24-30)"Molecular Thin Films"(B-10 セッション)連絡(代表代理)オーガナイザー(2014年8月-2015年9月)
8. 日本化学会 コロイドおよび界面化学部会 部会誌 C & I Commun. 編集委員(2013年5月~2019年3月)
9. 第23, 25回日本MRS年次大会「分子性薄膜の作製・評価・応用」セッション代表オーガナイザー(2013年4月~2016年3月)
10. 日本学術振興会 フッ素化学第155委員会 委員(2013年~2019年)
11. 日本学術振興会 繊維・高分子機能加工第120委員会 庶務幹事(2012年4月~2016年3月)
12. 日本化学会 コロイドおよび界面化学部会 若手W.G.(2011年4月~2012年3月)
13. 平成24年度繊維学会年次大会 副実行委員長
14. 第18~21回日本MRS学術シンポジウム「有機超薄膜の作製・評価・応用」セッションチア(2007年4月~2012年3月)
15. 繊維学会 平成22年度繊維学会夏季セミナー実行委員(2010年8月)
16. 日本熱測定学会 広報委員(2009年10月~2011年9月)
17. 繊維学会 平成22年度繊維学会年次大会 実行委員兼セッションオーガナイザー(2009年10月~2010年6月)
18. 第10回アジア国際繊維会議 実行委員(2009年9月)
19. 繊維学会 平成21年度繊維学会夏季セミナー実行委員(2009年8月)
20. 日本熱測定学会 日本熱測定学会2008・2009年度委員(2008年4月~2010年3月)
21. 日本学術振興会 繊維・高分子機能加工第120委員会 委員(2007年4月~2016年3月)
22. 日本学術振興会 繊維・高分子機能加工第120委員会 平成19年度(夏季)世話人(2007年4月~2008年3月)
23. 第54回 高分子討論会実行委員(2005年9月)

※所属学会: 日本化学会(および、コロイドおよび界面化学部会), 高分子学会, 繊維学会

VI. 外部資金取得状況(36件)

a. 競争的資金(25件)

1. 令和6年度日本学術振興会科学研究費補助金 基盤研究C「ハイパープランチユニットを有する網目状共重合体の形状記憶特性制御と界面膜創出」(研究代表者, 350万円/3年)
2. 2023年度 コーセーコスメトロジー研究財団 助成「界面活性剤修飾ナノダイヤモンドの集積・積層化による構造色発現と、抗菌性チキソトロピー塗膜の開発」(研究代表者, 200万円/年)
3. 2022年度 池谷科学技術振興財団 助成「5wt%未満のカーボンナノチューブによって創製される「漆黒」の高分子系ナノコンポジットによる材料革新」(研究代表者, 150万円/年)
4. 令和3年度日本学術振興会科学研究費補助金 基盤研究C「含環状部位ポリグアナミン誘導体界面膜によるレアアース捕集とその脱離回収技術の確立」(研究代表者, 330万円/3年)
5. 公益信託 伊藤徳三ひまし油基金 2021年度研究助成「ひまし油由来12-ヒドロキシステアリン酸誘導体を用いたチキソトロピー性添加剤分子の性能向上とキラリティー制御の相関性の解明」(研究代表者, 100万円/1年)

6. 第38回(令和2年度)公益財団法人カシオ科学振興財団研究助成「金属材料におけるLPSO構造/ミルフィーユ構造による『革新的材料物性増強理論』の高分子材への適用」(研究代表者, 100万円/1年)
7. 平成31年度文部科学省科学研究費補助金 新学術領域・ミルフィーユ構造の材料科学 公募研究 A04 「硬軟交互粒子積層によるナノ・ミルフィーユ創出とその物性増強起源の解明」(研究代表者, 530万円/2年)
8. 平成30年度 小笠原科学技術振興財団一般研究助成「結晶性フッ素樹脂に対する機能増強技術の新提案-革新的表面改質による無機微粒子ナノ複合化-」(研究代表者, 160万円/15ヶ月)
9. 平成29年度日本学術振興会科学研究費補助金 基盤研究 C「350°C耐え抜く有機修飾ナノダイヤモンド-結晶性透明樹脂へのナノ分散-」(研究代表者, 370万円/3年)
10. 平成28年度 日本科学協会 海外発表促進助成(第2期)「The Role of Modifying Molecular Chains in the Formation of Organized Molecular Films of Organo-modified Inorganic Particles (16th International Conference on Organized Molecular Films (LB16, ICOMF-16), Helsinki, Finland, July, 2016.)」(研究代表者, 24万8千円)
11. 平成26年度 マツダ財団研究助成「350°C耐熱!初めて『結晶』で創る新奇フレキシブル透明プラスチックフィルムの開発に資する、高分子透明化技術の新提案」(研究代表者, 170万円/1年)
※選考委員奨励賞(含副賞50万円)
12. 平成25年度 (独)科学技術振興機構 第1回 研究成果最適展開支援プログラム(A-STEP)探索タイプ「新規"結晶性"フッ素樹脂/クレイナノコンポジットによる高耐熱型フレキシブル透明フィルムの開発と、そのガスバリア材への展開」(研究代表者, 170万円/1年)
13. 平成25年度日本学術振興会科学研究費補助金 基盤研究 C「高修飾率有機化アルミニシリケートによる耐熱型"結晶性"透明ナノハイブリッドの創製」(研究代表者, 380万円/3年)
14. 平成23年度日本学術振興会科学研究費補助金 若手研究 B「新規ポリマーナノスフィアを用いた蛍光発光性・積層粒子層状組織体の形成」(研究代表者, 330万円/2年)
15. 平成23年度文部科学省科学研究費補助金 新学術領域・ソフトインターフェイスの分子科学 公募研究 A02 「ポリマーナノスフィア積層組織化膜のX線利用精密分子配向解析と機能化」(研究代表者, 290万円/2年)
16. 平成22年度(財)泉科学技術振興財団 研究助成「山形県産!!脱石油由来天然資源粘土ナノフィルムを用いた高分子代替材料の創製」(研究代表者, 100万円/1年)
17. 平成21年度 (財)東電記念科学技術研究所 研究助成「山形発!!非石油国産原料を用いた新規導電性有機/無機ハイブリッド超薄膜の創製」(研究代表者, 100万円/1年)
18. 平成20年度文部科学省科学研究費補助金 若手研究 B「耐熱性・高光伝送効率"結晶性"プラスチック光ファイバー、および透明フィルムの構築」(研究代表者, 330万円/2年)
19. 平成20年度(独)科学技術振興機構 地域イノベーション創出総合支援事業・重点地域研究開発推進プログラム シーズ発掘試験課題 「高温下での光導波路材を目指した結晶性フッ素樹脂透明フィルムの開発」(研究代表者, 200万円/年)
20. 平成19年度(独)科学技術振興機構 地域イノベーション創出総合支援事業・重点地域研究開発推進プログラム シーズ発掘試験課題 「高光伝送効率"結晶性"テフロン系プラスチック光ファイバーの構築」(研究代表者, 199万円/年)
21. 財団法人矢崎科学技術振興財団 平成19年度奨励研究助成課題「高光伝送効率"結晶性"テフロン系プラスチック光ファイバーの構築」(研究代表者, 100万円/年)
22. 財団法人日本科学協会平成17年度笹川研究助成課題「緑色のポリジアセチレン超薄膜形成がもたらす色相転移機構解明とその制御」(研究代表者, 60万円/年)
23. 向科学技術振興財団平成16年度研究助成課題「フッ素化檜型高分子を含む組織分子膜中の相分離構造に基づく新規ナノパターンング」(研究代表者, 150万円/年)
24. Doctoral fellowship researcher of Japan Society for the Promotion of Science (研究代表者, 1/4/2001 ~ 31/3/2003, 200万円/2年).
25. 平成13年度埼玉大学大学院重点設備費課題「in situ in-plane X線回折システムの構築」(研究分担者, 1,000万円/年)

b. 企業からの奨学寄付金・共同研究費 (11件)

1. 株式会社タイテックスジャパンより奨学寄附金(研究助成)「ナノダイヤモンド含有高分子系制振材料の研究」50万円/6ヶ月(研究代表者)

2. JXTG エネルギー株式会社より共同研究費「新規潤滑油剤の機能向上に関する研究」255 万円/28 ヶ月(研究代表者)
3. 株式会社ダイセルより奨学寄付金(研究助成)「ナノダイヤモンドの表面修飾に関する研究」300 万円/30 ヶ月(研究代表者)
4. 楠本化成株式会社より奨学寄付金(研究助成)「ビスマトイド/クレイのハイブリッド化の研究」450 万円/54 ヶ月(研究代表者)
5. ダイキン工業株式会社より共同研究費「VDF 系フッ素樹脂フィルムの構造解析」600 万円/3 年間(研究代表者)
6. 旭硝子株式会社より共同研究費「ポリマー構造制御による新機能創出」100 万円/15 ヶ月(研究代表者)
7. 日立化成工業株式会社より奨学寄付金「X 線利用液晶性エポキシ硬化物の分子配向性の解析」50 万円/6 ヶ月(共同研究費・研究代表者)
8. クニミネ株式会社より奨学寄附金・共同研究費「新規有機化処理クレイの構造解析に関する研究」50 万円/年(5 年間研究代表者)
9. 株式会社潤工社より奨学寄附金「フッ素系ポリマー加工品の構造解析に関する研究」120 万円/年(計 2 年間, 研究代表者)
10. アキレス株式会社より奨学寄附金「導電性高分子の構造解析に関する研究」50 万円/6 ヶ月(計 3 年間, 研究代表者)
11. 三井・デュポンフロロケミカル株式会社より奨学寄附金「PFA の結晶構造及び Morphology 解析研究」120 万円/年(計 5 年間, 研究代表者)

※国際会議発表

1. "Creation of interfacial films of organic / inorganic hybrid nanoparticles"
H. Machida, T. Ohashi, A. Fujimori, *An International Conference on Colloid & Surface Science Celebrating the 70th Anniversary of the Divisional Meeting of Division of Colloid and Surface Chemistry (Okinawa Colloids 2019)*, Nov. 3-8, **2019**.
2. "Fabrication of Organized films of organo-modified needle-like nanoparticles and preparation of its polymer-based nanocomposites"
S. Hirayama, T. Hayasaki, Y. Abiko, A. Fujimori, *An International Conference on Colloid & Surface Science Celebrating the 70th Anniversary of the Divisional Meeting of Division of Colloid and Surface Chemistry (Okinawa Colloids 2019)*, Nov. 3-8, **2019**.
3. "Formation and structure of organized molecular films of organo-modified single wall carbon nanotubes"
Y. Abiko, S. Hirayama, A. Fujimori, *An International Conference on Colloid & Surface Science Celebrating the 70th Anniversary of the Divisional Meeting of Division of Colloid and Surface Chemistry (Okinawa Colloids 2019)*, Nov. 3-8, **2019**.
4. "Denaturation control based on Gibbs monolayer behavior of biopolymers"
Y. Kimura, A. Fujimori, *An International Conference on Colloid & Surface Science Celebrating the 70th Anniversary of the Divisional Meeting of Division of Colloid and Surface Chemistry (Okinawa Colloids 2019)*, Nov. 3-8, **2019**.
5. "Structure and function of organized molecular films of polyguanamine derivatives with metal scavenging properties"
K. Fukushi, H. Maruyama, M. Shirao, Y. Shibasaki, A. Fujimori, *An International Conference on Colloid & Surface Science Celebrating the 70th Anniversary of the Divisional Meeting of Division of Colloid and Surface Chemistry (Okinawa Colloids 2019)*, Nov. 3-8, **2019**.
6. "Tribological Performance of Organo-Modified Nanodiamonds in Lubricating Oils"
A. Tada, T. Yamamoto, T. Nakajima, H. Machida, Y. Shitara, A. Fujimori, *ITC (International Tribology Conference) Sendai 2019*, Sept. 17-21, **2019**.
7. "Formation mechanism of filler network structure formed by the electro-hydrodynamic convection"
S. Akasaka, M. Niwano, K. Morita, A. Fujimori, S. Asai, *33rd Conference of the European Colloid and Interface Society (ECIS)*, Sept. 9-10, **2019**.
8. "Application of Janus-Type π -Conjugated Molecule to Work Function Control of Metal Substrates"
Y. Suda, S. Furukawa, Y. Shidara, A. Fujimori, M. Saito, *28th International Symposium on the*

Organic Chemistry of Sulfur (ISOCS-28), August 26-31, 2018.

9. "The novel method of functionalization on the surfaces of nanodiamonds for the preparation of polymer/nanofiller composite"
D. Shiro, K. Umemoto, H. Ito, T. Tasaki, Q. Meng, Y. Kasahara, A. Fujimori, *28th International Conference on Diamond and Carbon Materials, Gothia Towers, Gothenburg, Sweden*, September 3-7, 2017.
10. "Dependency of Nanodiamond Particle Size and Outermost-Surface Composition on Organo-Modification— Evaluation by Formation of Organized Molecular Films and Nano-Hybridization with Organic Polymers –"
A. Fujimori, *15th European Conference on Organized Films – ECOF 15, Dresden, Germany*, July 17-20, 2017.
- 11."Novel network structure formed by EHD convection of nanodiamond in UV curing resin "
S. Akasaka, K. Morita, A. Fujimori, S. Asai, *The International Rubber Conference (IRC2016), Kitakyushu, Japan*, October 27, 2016.
- 12."The Role of Modifying Molecular Chains in the Formation of Organized Molecular Films of Organo-modified Inorganic Particles"
A. Fujimori, *16th International Conference on Organized Molecular Films (LB16, ICOMF-16), Helsinki, Finland*, July 26, 2016.
13. "The Role of Modifying Molecular Chains in the Formation of Organized Molecular Films of Organo-modified Nanodiamond. –Construction of a Highly-Ordered Low Defect Particle Layer, and Evaluation of Desorption Behavior of Organic Chains–"
A. Fujimori, *5th International Colloids Conference – Surface Design and Engineering -, Amsterdam, Nederland*, 21, June 2015.
14. "Molecular Arrangement of Organized Molecular Films of Linear and Cyclic Amphiphilic Block Copolymers with Different Shapes."
Q. Meng, M. Hashimoto, S. Honda, Y. Tezuka, T. Yamamoto, A. Fujimori, *The 15th International Union of Materials Research Societies, International Conference in Asia (IUMRS-ICA2014), Fukuoka University, Fukuoka, Japan*, August 28, 2014.
15. "Morphological Transition from Monolayer to Single Particle Layer of Polyguanamine with Aromatic Rings."
T. Kikkawa, Y. Shibasaki, Y. Tatewaki, A. Fujimori", *The 15th International Union of Materials Research Societies, International Conference in Asia (IUMRS-ICA2014), Fukuoka University, Fukuoka, Japan*, August 27, 2014.
16. "Study on Particle Dispersion of Organo-modified Nanodiamond in Transparent Thin Film of Fluorinated Polymer."
Y. Soutome, T. Kanehira, N. Honda, S. Akasaka, A. Fujimori", *The 15th International Union of Materials Research Societies, International Conference in Asia (IUMRS-ICA2014), Fukuoka University, Fukuoka, Japan*, August 27, 2014.
17. "Formation and Structure of Fine Multi-particle Layered Organo-modified Nanodiamond Fabricated by Langmuir–Blodgett Technique."
N. Honada, S. Akasaka, A. Fujimori ", *The 15th International Union of Materials Research Societies, International Conference in Asia (IUMRS-ICA2014), Fukuoka University, Fukuoka, Japan*, August 27, 2014.
18. "Synthesis and the properties of an ABA type terpolymer based on poly(N-substituted *p*-benzamide) and poly(propylene glycol)."
Y. Shibasaki, S. Masukawa, Y. Oishi, A. Fujimori, *248th ACS National Meeting, San Francisco, USA*, 11, August 2014.
19. "Fine Structure and Optical Property of “Polymer Nanosphere Multilayered Organization”."
A. Fujimori, *4th International Colloids Conference – Surface Design and Engineering -, Madrid, Spain*, 15, June 2014.
20. "Simple Process Synthesis and Magnetoresistance of BaTiO₃-Fe₃O₄ Ceramic Composite."
K. Kamishima, T. Noshiro, R. Awata, K. Kakizaki, A. Fujimori, M. Sakai, K. Watanabe, *The 12th Asia Pacific Physics Conference (APPC12), International Conference Halls, Makuhari Messe Chiba, Japan*, July 2013.
21. "Synthesis of a new U-type hexaferrite Ba₄Cu₂Fe₃₆O₆₀."
R. Tajima, K. Kamishima, K. Kakizaki, N. Hiratsuka, A. Fujimori, M. Sakai, K. Watanabe, *International Union of Materials Research Societies – International Conference on Electric Materials 2012 (IUMRS-ICEM2012), Yokohama, Japan*, September, 2012.
22. "Fabrication and Structural Estimation of "Polymer Nanosphere Multilayered Organization". "
A. Fujimori, *14th International Conference on Organized Molecular Films (LB14, ICOMF-14), Paris, France*, July 2012.

23. "Morphological Transition from Nanosheet to Nanosphere of Ternary Comb Copolymers with Carbazole Rings."
Y. Kaneko, A. Fujimori, *14th International Association of Colloid and Interface Scientists, Conference (IACIS2012), Sendai, Miyagi, Japan*, May 2012.
24. "Nanostructural and Morphological Control of Biological Molecules Arranged by Using Langmuir-Blodgett Films of Organo-modified Alminosilicate as a Template."
S. Arai, J. Kusaka, M. Kubota, K. Kurosaka, A. Fujimori, *14th International Association of Colloid and Interface Scientists, Conference (IACIS2012), Sendai, Miyagi, Japan*, May 2012.
25. "Control of Arrangement for DNA Molecules Chemisorbed to the Organized Molecular Films of Comb Copolymers Containing *s*-Triazine."
M. Taguchi, A. Fujimori*, *14th International Association of Colloid and Interface Scientists, Conference (IACIS2012), Sendai, Miyagi, Japan*, May 2012.
26. "Precise structure analysis and gas transport properties of crystalline fluorinated copolymer."
T. Nyuui, G. Matsuba, S. Sato, K. Nagai, A. Fujimori, *244th ACS National Meeting, Philadelphia, USA*, August 2012.
27. "Molecular Arrangement and Surface Morphology of Organized Molecular Films for Aromatic Polyamides Containing Alkyl Groups as the Side-chains."
N. Sato, S. Chiba, Y. Abe, Y. Shibasaki, A. Fujimori, *The 10th Asian Textile Conference(ATC-10), Ueda, Nagano, Japan*, September 2009.
28. "Changes in Fine Structure and Lamellae Arrangement of Fluorinated "Crystalline" Optical Fiber Caditate with Drawing."
A. Fujimori, *The 10th Asian Textile Conference (ATC-10), Ueda, Nagano, Japan*, September 2009.
29. "Structural Control of Organized Molecular Films for Comb Copolymers Containing Functionalized Groups and Its Structural Estimation."
A. Fujimori, *Asian International Symposium, Funabashi, Chiba*, March 2009. [Invited lecture]
30. "Molecular Orientation and Morphology of Organized Molecular Films for Fluorinated Comb Copolymers."
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