

# CITATION REPORT

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Friction reduction by metal sulfides in boundary lubrication studied by XPS and XANES analyses

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#	Paper	IF	Citations
152	Evolution of tribofilms under lubrication conditions experienced in engine valve trains. <b>2003</b> , 97-108		4
151	The role of mechanical and chemical processes in anti-wear properties of ZDDP tribofilms. <b>2003</b> , 43, 367-376		1
150	Engine Oil Effects on Friction and Wear Using 2.2L Direct Injection Diesel Engine Components for Bench Testing Part 2: Tribology Bench Test Results and Surface Analyses. <b>2004</b> ,		3
149	Synthesis and Application of Inorganic Nanoparticles as Lubricant Components <b>Review</b> . <b>2004</b> , 6, 273-284		161
148	The Behaviour of Sliding Contacts Between Non-Conformal Rough Surfaces Protected by SmartU Films. <i>Tribology Letters</i> , <b>2004</b> , 17, 765-778	2.8	11
147	Review of the lubrication of metallic surfaces by zinc dialkyl-dithiophosphates. <i>Tribology International</i> , <b>2005</b> , 38, 15-39	4.9	305
146	Boundary lubrication mechanisms of carbon coatings by MoDTC and ZDDP additives. <i>Tribology International</i> , <b>2005</b> , 38, 257-264	4.9	222
145	Friction and wear of tribofilms formed by zinc dialkyl dithiophosphate antiwear additive in low viscosity engine oils. <i>Tribology International</i> , <b>2005</b> , 38, 289-297	4.9	40
144	Low-friction behaviour of boundary-lubricated diamond-like carbon coatings containing tungsten. <b>2005</b> , 476, 92-100		64
143	Tribological reactions between oil additives and DLC coatings for automotive applications. <b>2005</b> , 200, 1982-1989		88
142	Tribofilms generated from ZDDP and DDP on steel surfaces: Part 2, chemistry. <i>Tribology Letters</i> , <b>2005</b> , 19, 221-229	2.8	41
141	Fundamental Study of Changes in Friction and Wear Characteristics due to ZnDTP Deterioration in Simulating Engine Oil Degradation during Use (Part 2) -- Influences of the Presence of Peroxide and Dispersed Zn-containing Solids--. <b>2005</b> , 48, 769-777		2
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138	Tribochemical reactions at and in the vicinity of a sliding contact. <i>Wear</i> , <b>2006</b> , 261, 235-240	3.5	33
137	Friction and adhesion in boundary lubrication measured by microtribometers. <i>Tribology International</i> , <b>2006</b> , 39, 1674-1681	4.9	11
136	The feasibility of using electrostatic monitoring to identify diesel lubricant additives and soot contamination interactions by factorial analysis. <i>Tribology International</i> , <b>2006</b> , 39, 1564-1575	4.9	38

135	Interpretation of experiments on ZDDP anti-wear films through pressure-induced cross-linking. <i>Tribology Letters</i> , <b>2006</b> , 24, 105-114	2.8	51
134	Tribological behavior and tribofilm composition in lubricated systems containing surface-capped molybdenum sulfide nanoparticles. <i>Tribology Letters</i> , <b>2006</b> , 22, 289-296	2.8	21
133	Friction Reduction and Antiwear Capacity of Engine Oil Blends Containing Zinc Dialkyl Dithiophosphate and Molybdenum-Complex Additives. <i>Tribology Transactions</i> , <b>2006</b> , 49, 151-165	1.8	23
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130	Diamond like carbon coatings for tribology: production techniques, characterisation methods and applications. <b>2007</b> , 52, 153-174		137
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117	Influence of Cu Grain Size on Running-in Related Phenomena. <i>Tribology Letters</i> , <b>2007</b> , 28, 307-318	2.8	17
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104	Effect of oil additives on the durability of hydrogenated DLC coating under boundary lubrication conditions. <i>Wear</i> , <b>2009</b> , 266, 147-157	3.5	126
103	The Tribological Study of Novel Benzotriazolyl-Containing Anticorrosive Polysulfides in Rapeseed Oil. <i>Journal of Tribology</i> , <b>2009</b> , 131,	1.8	2
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13	Use of XANES and XPS to investigate the effects of ethanol contamination on anti-wear ZDDP tribofilms. <i>Tribology International</i> , <b>2021</b> , 159, 106997	4.9	3
12	How Trace Impurities Can Strongly Affect the Hydroconversion of Biobased 5-Hydroxymethylfurfural?. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9204-9209	13.1	1
11	Spectroscopy analyses of tribofilm and surface microcracks in carburized SCM420 steel under high-pressure rolling contact fatigue. <i>Wear</i> , <b>2021</b> , 477, 203807	3.5	2
10	Effects of annealing treatment on tribological behavior of tungsten-doped diamond-like carbon film under lubrication (Part 2): Tribological behavior under MoDTC lubrication. <i>Friction</i> , 1	5.6	0

9	Mild bottom-up synthesis of carbon dots with temperature-dependent fluorescence. <i>Journal of Luminescence</i> , <b>2021</b> , 238, 118311	3.8	1
8	Friction and wear enhancement of magnetron sputtered bilayer CrN/TiB <sub>2</sub> thin-film coatings. <i>Wear</i> , <b>2020</b> , 454-455, 203344	3.5	2
7	Değerli katkıları olanlar için ZDDP katkı maddesinin ağırlıklı olarak veriminin araştırılması		
6	Surface Analysis and Tribochemistry of Automotive Engine Components. 351-378		
5	Formation of Nano Interface by Sliding between Hard Coatings and Metals in MoDTC Contained Oil. <i>Tribology Online</i> , <b>2022</b> , 17, 1-8	0.9	
4	An original experimental method for measuring friction coefficient during tribofilm formation by accumulating free sliding oscillating responses. <b>2022</b> , 108072		○
3	Tribological mechanisms of the synergistic effect between sulfur- and phosphorus-free organic molybdenum and ZDDP. <b>2023</b> , 178, 108078		○
2	Possible Origin of D- and G-band Features in Raman Spectra of Tribofilms. <b>2023</b> , 71,		○
1	Necessary Conditions for Low Friction between Laser-Irradiated Aluminum Alloy and Bearing Steel in Engine Oil. <b>2023</b> , 108607		○